

# CONTENTS

Product Class	Product Name	Page No.
<b>A - Undercoats</b>	Regal Universal Undercoat	5
	Regal Acrylic Primer/Sealer Undercoat	6
<b>B - Primers</b>	Regal Aluminium Wood Primer	8
	Regal White Wood Primer	9
	Regal Plus 3 Masonary Primer	10
	Regal Penetrating Primer	11
	Regal Universal Alkali-Resisting Primer	12
	Regal One Pack Etch Primer	13
	Regal Red Oxide (Pre-Fab) Primer Glossy Finish	14
	Regal Red Oxide (Pre-Fab) Primer Matt Finish	15
	Regal Zinc Chromate Red Oxide/Yellow Primer	16
	Regal Zinc Phosphate Metal Primer Grey	17
	Regal Alkali Resistant Chlorinated Rubber Primer	18
	Regal Chlorinated Rubber Zinc Phosphate/Chromate Primer	19
	Regal 2-Pack Epoxy Zinc Phosphate Primer	20
	Regal 2-Pack Epoxy Zinc Chromate Primer	21
	Regal 2-Pack Epoxy Zinc Rich Primer	22
<b>C - Premium Range Waterbased</b>	Regal Vinyl Matt Emulsion With Teflon®	24 - 25
	Regal Silk Vinyl Emulsion	26
	Regal Medicryl Silk Emulsion	27
	Regal Covermatt Emulsion	28
	Regal Covermatt +2 Emulsion	29
	Regal Transeal-Acrylic Clear Finish	30
	Regal Permacote Exterior Emulsion With Teflon®	32 - 33
<b>D - Premium Range Oil Based</b>	Regal Super Gloss	35
	Regal Eggshell (Semi Gloss) Finish	36
<b>E - Wood Finishes &amp; Preservatives</b>	Regal Aquavar Water Based	38
	Regal Woodseal Varnish-Gloss/Satin/ Matt	39
	Regal Polyurethane Varnish-Gloss/Satin/ Matt	40
	Regal Two-Pack Polyurethane Varnish-Gloss/ Satin/ Matt	41 - 42
	Regal Two Pack Epoxy Varnish	43
	Regal Multi-Purpose Clear Vanish	44
	Regal Oil Varnish Stains	45
	Regal Sanding Sealer	46

## CONTENTS

<b>F - Specialized Finishes Textured</b>	Regal Variations	48 - 51
	Regal Ruff N' Tuff Finish	52
	Regal Rockfast Hi-Build Texture Finish	
	Regal Stronghold Fine Textured Emulsion	54
	Regal Duotone Finish	55
	Regal Metallica	56
	Regal Sparkling Texture Finish	57
		58
<b>G - Specialized Finishes Decorative</b>	Regal GP Matt Finish-Black	60
	Regal School Board Paint-Black & Green	61
	Regal Squash Court Paint	62
	Regal Acrylic Tennis Court Paint Regal	63
	Chlorinated Rubber Paint	64
	Regal Two Pack Epoxy Enamel	65
<b>H - Specialized Finishes: - Metallic - Aluminium - Bituminous Paints</b>	Regal Aluminium (Leafing) Paint Regal	67
	Heat Resisting Aluminium Paint Regal	68
	Bituminous Aluminium Paint	69
	Black Bituminous Paint/Bituminous Composition For Drinking Water Tanks	70
	Regal Two Pack Epoxy Coal Tar Composition	71
<b>I - Specialized Finishes: - Road Marking - Roof Paint - Floor Paint</b>	Regal Road Marking Paint	73
	Regal Thermoline Road Marking Paint	74
	Regal Roof Paint	75
	Regal Roofsheild Self-Priming	76
	Regal Roofmaster-Self Priming Acrylic Roof Paint	77
	Regal Concrete Floor Paint	78
	Regal Two Pack Epoxy Floor P	79
<b>J - Regal Trade</b>	Regal Trade Ready Mix Filler	
	Regal Trade Timonox Flame Retardant Finishes	82
	Regal Trade Intumescent Basecoat	83 - 84
		85

# CONTENTS

<b>J - Miscellaneous Paints &amp; Sundries</b>	Regal Silicone Water Proofing Solution Regal	87
	Regal Fungicidal Wash	88
	Regal Etching Solution/Passivating Wash Regal	89
	Paint & Varnish Remover	90
	Regal Rust Remover	91
	Regal Paint Thinners	92
	Regal Polyfilla	
	Regal Gyplast	94
	Regal Wallcare Interior Putty	95
	Regal Wallcare Exterior Putty	96
	Regal Metal Putty (Metal & Okay Metal Putty)	97 - 98
	Regal Solfix Pipe Weld Cement	99
	Regal Stronghold Wood Adhesive	
	Regal Stronghold Tile Adhesive	101
	Regal Stronghold Parquet Adhesive	102
	Regal Stronghold Contact Adhesive Technical	103
	Data-Defects And Remedies Technical	104
	Data-Mould Growth And Algae Technical Data	105
<b>K - Technical Data</b>	Surface Preparation	107 - 113
		115 - 116
		118 - 128



# A Undercoats

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# REGAL UNIVERSAL UNDERCOAT

**A1**

## Description & Uses

A top quality, multipurpose undercoat, which provides a flexible, non-absorbent foundation for gloss finishes. Possesses excellent obliterating power and brushes deep into cracks, filling minor irregularities. Suitable for interior and exterior use on all type of surfaces i.e. wood, metal, plaster, stone, asbestos etc, over the appropriate primer.

## Characteristics

Manufactured from finest pigments and extenders incorporated in a high quality alkyd resin medium and drying oils.

## Advantages

Excellent opacity and sanding properties, provides a sound key for subsequent finishing coat.

## Finish

Matt.

## Application

Apply by brush, roller or spray equipment.

## Thinning & Mixing

Where necessary thin with Regal White Spirit to ease brushing and for spray application. Avoid over thinning. Stir well before use.

## Drying Times

12-16 hours.

Re-coatable overnight under normal conditions.

## Spreading Capacity

13-17 m<sup>2</sup>/l when applied to smooth, non-porous surfaces.

## Equipment Cleaner

Regal White Spirit.

## Colour Range

White.

## Pack Sizes

½ litre, 1 litre, 4 litres, and 20 litres

## Availability

From Regal Depots and through Regal Stockists

## Specifications

- **New primed metal, wood, plaster etc.** Prepare surface (see relevant surface preparation sheets for plaster, metal, wood). Apply 1 coat Regal Undercoat over the appropriate primer. For maximum protection and when overcoating a dark primer with a pale undercoat, a second coat of undercoat is recommended.
- **Previously painted surfaces - unsound condition.** Prepare surface and patch prime bare surfaces with appropriate primer. Apply 1 coat Regal Undercoat.
- **Previously painted surfaces in reasonable condition -** Prepare surface. Apply 1 coat Regal Undercoat.
- **Previously painted surfaces in good condition -** Rub down with fine sandpaper. If previous gloss or eggshell finish is in good condition the application of an undercoat can be avoided unless a colour change is required.

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## REGAL ACRYLIC PRIMER SEALER UNDERCOAT

A2

### Description & Uses

A quick-drying, general-purpose primer/undercoat for timber and (untreated) hardboard prior to the application of Regal Super Gloss Paint, Eggshell Enamel etc.

### Characteristics

Lead-free pigmentation incorporated in a P.V.A./Acrylic co-polymer emulsion medium.

### Advantages

Water thinned, rapid drying. Re-coatable in under 4 hours in dry conditions. Enables a three coat system of primer, undercoat and finish to be applied in one day in good drying conditions.

### Finish

Matt.

### Application

Apply to new and unpainted timber by brush, roller or spray.

### Thinning

Supplied ready for use. For spray application thin to spraying viscosity with clean water. Avoid over thinning otherwise the opacity will be affected. Stir well before use.

### Drying Times

Touch dry ½ hour.

Re-coatable after 3-4 hours in dry conditions.

### Equipment Cleaner

Water.

### Colour Range

White (ex-stock). Colours can be supplied by prior arrangement for large housing projects etc.

### Pack Sizes

1 litre, 4 litres and 20 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New and Bare Woodwork & Untreated Hardboard:** Prepare surface (refer Data Sheet SP2). Apply 2 coats Regal Acrylic Primer/Undercoat.
- **Previously Gloss & Eggshell painted surfaces**  
Not recommended. Use Regal Undercoat.

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# B Primers

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# REGAL ALUMINIUM WOOD PRIMER

**B1**

## Description & Uses

A high quality primer for application to new and bare woodwork. Can be used on both hard and soft woods in addition to timber treated with (non-bituminous based) wood Protection. Recommended for exterior work.

## Characteristics

Manufactured from top quality, lead-free pigments with a high proportion of aluminium dispersed in an oleo resinous medium.

## Advantages

Suitable for all types of properly prepared timber. Hard drying with good penetration and excellent adhesion. Minimizes risk of blistering. Easy to apply.

## Finish

Matt.

## Application

By brush, roller or spray.

## Thinning

Supplied ready for use but may be thinned to ease brushing where necessary and for spray application with Regal White Spirit. Avoid over thinning. Stir well before use.

## Drying Times

Re-coatable after 16 hours.

## Spreading Capacity

12-15 m<sup>2</sup>/l on smooth, non-porous surfaces.

## Equipment Cleaner

Regal White Spirit.

## Colour Range

Metallic Grey.

## Pack Sizes

1 litre and 4 litres.

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- **New Timber:** Ensure that the timber is dry. Prepare surface (Refer SP 2). Apply 1 coat Regal Aluminium Wood Primer.
- **Previously Painted Surfaces:** Prepare the surface and patch prime bare timber with 1 coat Regal Aluminium Wood Primer.

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## REGAL WHITE WOOD PRIMER

B2

### Description & Uses

A high quality, general-purpose primer for soft woods, plywood and chipboards etc. Timber treated with water repellents and Protection is best primed with Regal Aluminium Wood primer.

### Characteristics

Oil-based medium with lead-free pigmentation producing a White finish.

### Advantages

Good penetrating properties. Provides a strong bond between the undercoat and timber surface.

### Thinning

Supplied ready for use but where necessary and for spray application thin with Regal White Spirit. Avoid over thinning. Stir well before use.

### Drying Times

Surface Dry: 4 hours.

Through Dry: 8hours. Re-coatable: 16 hours.

### Spreading Capacity

13-15 m<sup>2</sup>/l on smooth, non-porous surfaces. The spreading capacity will vary considerably depending on the texture and porosity of the timber.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

White.

### Pack Sizes

1 litre, 4 litres.

### Availability

From Regal Depots and Regal Stockists.

### Specifications

- **New Dry Wood Work:** Prepare surface (refer Data Sheet SP2). Apply 1 coat Regal White Wood Primer.
- **Previously Painted Wood Work:** Prepare the surface and patch prime all bare timber with 1 coat Regal Wood Primer.

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## REGAL PENETRATING PRIMER

B4

### Description & Uses

A primer designed for the binding of loosely bound, powdery and chalking surfaces. Recommended for use when redecorating external walls which have been neglected and ceiling surfaces previously coated with cement paints, distemper, lime wash etc. The application of emulsion and other pigmented finishes directly onto loosely bound surfaces invariably results in an early breakdown due to loss of adhesion.

Prior to the application of **Regal Penetrating Primer**, all loose, unsound and flaking paint and other contamination must be removed (refer surface preparation Data Sheet SP 1).

### Characteristics

A special oil varnish medium incorporating an off-white marker pigment for identification purposes.

### Advantages

Excellent adhesion and penetrating characteristics. Provides a firm, stable foundation for the application of a wide variety of decorative paint systems.

### Application

Brush.

### Thinning

Supplied ready for use but may be thinned with **Regal White Spirit** for application to rough textured surfaces. Avoid over thinning. Stir well before use.

### Spreading Capacity

Due to its penetrating characteristics **Regal Penetrating Primer**, when properly applied, will only cover an area of 6-7 m<sup>2</sup>/l on smooth surfaces. Spreading capacity will be reduced when used on rough walls.

### Equipment Cleaner

**Regal White Spirit**.

### Colour Range

Nearly transparent with an off-white marker pigment.

### Pack sizes

1 litre and 4 litres.

### Availability

From **Regal Depots** and from **Regal Stockists**.

### Specifications

- **Flaking, Powdery, Lime washed, Distempered or Cement Painted surfaces:** Thoroughly remove all possible loose and flaking material (refer Data sheet SP 2). Ensure that the building fabric is dry before priming. Apply liberally, by brush, 1 coat **Regal Penetrating Primer**. The application of a 2nd coat is advisable in severe circumstances.

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## REGAL UNIVERSAL ALKALI-RESISTING WALL PRIMER B5

### Description & Uses

Designed for use on new and unpainted (dry) plaster, cement, concrete, brick and hard asbestos sheets, etc, prior to the application of oil-based paints. Should not be used for priming loosely bound or porous surfaces for which Regal Penetrating Primer is recommended.

### Characteristics

Alkali-Resistant medium with lead-free pigmentation.

### Advantages

Seals plaster before applying undercoat and oil finishes. Alkali resistant.

### Application

Apply by brush working well into the wall surface.

### Thinning

On porous and textured surfaces, thin to ease brushing with Regal White Spirit. Do not over thin. Stir well before use.

### Drying Times

Allow to dry overnight before re-coating.

### Spreading Capacity

10-12 m<sup>2</sup>/l on smooth, steel float plaster. The spreading capacity will be considerably reduced when applied to rough or porous surfaces.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Off White.

### Pack Sizes

1 litre, 4 litres and 20 litres.

### Availability

From Regal Depots and Regal Stockists.

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## REGAL ONE PACK ETCH PRIMER (Wash Primer)

**B6**

### Description & Uses

A "holding" primer, supplied in one-pack form, for blast cleaned structural steelwork. Also recommended for use on galvanized iron surfaces, hard polished alloys etc. When applied to blast cleaned iron and steelwork, provides protection against corrosion during the fabrication period. A coat of conventional rust inhibiting metal primer should be applied over the Etch Primer, within a one month period, where severe corrosive conditions, particularly in coastal regions are present or evident.

### Characteristics

A single-pack etch primer based on modified Polyvinyl Butyral resin and rust inhibitive pigments and acid.

### Advantages

Affords maximum adhesion on galvanized surfaces and all smooth ferrous and non-ferrous metals. Provides limited protection during fabrication. Quick drying. High spreading capacity. Ideal where chemical preparation is impractical.

### Application

By brush or conventional spray.

### Thinning

Supplied ready for use – no thinning required.

### Drying Time

Touch dry: 20 minutes.

Through dry: 1 hour Re-coatable: 4 hours.

### Spreading Capacity

18-20 m<sup>2</sup>/l when applied by brush or spray on smooth surfaces. 10-12 m<sup>2</sup>/l when applied to blast cleaned surfaces at 12 microns DFT.

### Colour Range

Yellow (semi-transparent).

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **Ferrous and non-ferrous metals:** Prepare surface (refer Data sheet SP 3).
- **Metal surfaces:** Apply liberally by brush or spray, one coat of Regal Etch Primer. Overcoat with a conventional metal Primer within six months for maximum protection especially on exposed metal work and on all steel work in coastal and damp conditions.

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## REGAL RED OXIDE (PRE-FAB) PRIMER GLOSSY FINISH B7

### Description & Uses

An economical primer specifically designed for workshop/ industrial use on steelwork, commercial vehicle bodies, machinery, metal casement windows etc. This shop primer produces a gloss finish, sometimes preferred when a period of weeks/months is likely to elapse before overcoating. If overcoating is to take place more or less immediately, the use of a matt primer i.e. **Regal Red Oxide/Zinc Chromate Primer** is recommended. For maximum protection of exposed steelwork, particularly in coastal regions, the use of **Regal Zinc Phosphate Primer** is recommended.

### Characteristics

A special synthetic medium pigmented with red oxide pigments.

### Advantages

Economical, good corrosion resistance and good adhesion properties.

### Finish

Glossy.

### Application

By brush, roller or spray.

### Thinning

Supplied ready for use for brush application on smooth surfaces but where necessary, and for spray application, thin with **Regal White Spirit**. Overthinning will affect opacity. Stir well before use.

### Drying Times

Recoat after 16 hours.

### Spreading Capacity

8-10 m<sup>2</sup>/l when applied by brush on a smooth surface.

### Equipment Cleaner

**Regal White Spirit**.

### Colour Range

Red Oxide.

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New Iron and Steel Work:** Prepare surface (refer SP 3). Apply 1 coat of Red Oxide Glossy Primer.
- **Previously painted surfaces:** Prepare surface and patch prime bare metal surface areas with 1 coat **Regal Red Oxide Glossy Primer**.
- **Galvanized Iron & Non-Ferrous Surfaces:** Not recommended.

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## REGAL RED OXIDE (PRE-FAB) PRIMER MATT FINISH B8

### Description & Uses

An economical Primer specifically designed for workshop/ industrial use on steelwork, commercial vehicle bodies, machinery, metal casement windows etc. This shop Primer produces a matt finish, sometimes preferred when overcoating is to take place more or less immediately. If a period of weeks/months is likely to elapse before overcoating the use of Red-Oxide (Prefab) Glossy Primer is recommended. For maximum protection of exposed steelwork, particularly in coastal regions, the use of Regal Zinc Phosphate Primer is recommended.

### Characteristics

A special synthetic medium pigmented with red oxide pigments.

### Advantages

Economical, good opacity and suitable for spray application.

### Finish

Matt.

### Application

By brush, roller or spray.

### Thinning

Supplied ready for use for brush application on smooth surfaces but where necessary, and for spray application, thin with Regal White Spirit. Overthinning will affect opacity. Stir well before use.

### Drying Times

Recoat after 16 hours.

### Spreading Capacity

8-10 m<sup>2</sup>/l when applied by brush on a smooth surface

### Equipment Cleaner

Clean all equipment immediately after use with Regal White Spirit.

### Colour Range

Red Oxide.

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New Iron and Steel Work:** Prepare surface (refer SP 3). Apply 1 coat of Regal Red Oxide Matt Primer.
- **Previously painted surfaces:** Prepare surface and patch prime bare metal surface areas with 1 coat Regal Red Oxide Matt Primer.
- **Galvanized Iron & Non-Ferrous Surfaces:** Not recommended.

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## REGAL ZINC CHROMATE METAL PRIMER - RED OXIDE/ YELLOW

**B9**

### Description & Uses

A good quality general-purpose rust inhibiting metal primer suitable for use on iron and steel work and aluminium alloys. Especially suitable where light coloured finishes are required.

### Characteristics

Manufactured from a special medium pigmented with Zinc Chromate.

### Advantages

Excellent rust inhibiting and adhesion properties. Hard drying. Lead free pigmentation.

### Finish

Matt.

### Application

Apply by brush, roller or spray.

### Thinning

Supplied ready for use but can be thinned where necessary, and for spray application, thin with Regal White Spirit. Avoid overthinning.

### Drying times

Overcoatable in 16 hours.

### Spreading Capacity

12-16 m<sup>2</sup>/l when applied by brush on a smooth, non-porous surface.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Red Oxide and Yellow.

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New Iron and Steel and Aluminium Alloys:** Prepare surface (refer SP3). Apply 1 coat Regal Zinc Chromate Primer.
- **Galvanized Iron:** Zinc Chromate Primer is not recommended for application to new, un-weathered galvanized iron. However, galvanized surfaces which have been allowed to weather or which have been treated with an Etch Primer can be coated with Zinc Chromate Primer. Alternatively, Regal Zinc Phosphate Primer can be applied directly to new galvanized surfaces after thorough preparation, degreasing etc.
- **Old galvanized surfaces,** after thorough preparation, can be treated as for new steelwork.
- **Previously painted surfaces:** Prepare surface and patch prime bare metal areas with 1 coat Regal Zinc Chromate Primer.

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## REGAL ZINC PHOSPHATE METAL PRIMER GREY B10

### Description & Uses

A superior quality metal primer offering maximum protection against corrosion on ferrous, non-ferrous metals and aluminium alloys. Being completely lead free, Regal Zinc Phosphate Primer is non-toxic and can be safely used as a primer for galvanized and mild steel drinking water tanks and for general use in food factories, bottling plants etc. Also recommended for protection of exposed steelwork in coastal regions and on surfaces subjected to damp and humid weather conditions.

### Characteristics

Zinc phosphate pigments incorporated in a special medium.

### Advantages

Non-toxic. Excellent adhesion and rust inhibiting properties. Suitable where light coloured finishes are required.

### Finish

Matt.

### Application

By brush, roller or spray.

### Thinning

Supplied for use for brush application to smooth surfaces. For spray application thin with Regal White Spirit. Avoid overthinning. Stir well before use.

### Drying Times

Surface dry: 4-5 hours.

Hard dry/re-coatable: 16 hours.

### Spreading Capacity

11-14 m<sup>2</sup>/l when applied by brush to a smooth surface.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Light Grey.

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **General Metal Surfaces:** Prepare surface (refer Data sheet SP 3). Apply liberally, 1 coat of Regal Zinc Phosphate Metal Primer.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

# REGAL ALKALI RESISTING CHLORINATED RUBBER PRIMER

**B11**

## Description & Uses

Designed for use on new (dry) plaster. Cement rendering, concrete, brick, stone and asbestos cement sheeting, prior to the application of Chlorinated Rubber Finish.

## Characteristics

Alkali resistant pigments in a special Chlorinated rubber medium.

## Advantages

Alkali-resisting. Quick drying. Non-flammable. Non-toxic.

## Application

By brush, roller or conventional spray.

## Thinning

On porous surfaces and for spray application thin with Chlorinated Rubber Thinners. Avoid over thinning. Stir well before use.

## Drying Times

Surface Dry: ½ hour

Through Dry: 4 hours

Re-coatable: 6-8 hours.

## Spreading Capacity

8-10 m<sup>2</sup>/l over smooth surfaces.

## Equipment Cleaner

Chlorinated Rubber Thinners.

## Colour Range

Off White.

## Pack Sizes

1 litre and 4 litre tins.

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- New plaster, Cement, Brick, Stone: Prepare surface (Refer data sheet SP 1).
- Apply one coat Regal Chlorinated Rubber Alkali-Resisting Primer.

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## REGAL CHLORINATED RUBBER ZINC PHOSPHATE/CHROMATE PRIMER

**B12**

### Description & Uses

A high performance primer for use under chlorinated rubber finish, for protection of a variety of metal surfaces. Particularly suitable for use in food factories, bottling plants and other areas where a non toxic, corrosion resistant system is desirable.

### Characteristics

A coating based on an alkali resistant resin incorporating zinc phosphate/chromate and inert extenders and tinting pigments.

### Advantages

Lead free. Excellent adhesion and rust inhibiting characteristics combined with superior chemical resistance. Can be applied to galvanized surfaces and aluminium alloys in addition to structural steelwork.

### Finish

Matt.

### Application

By brush, roller or spray.

### Thinning

Supplied ready for use for brush application to smooth surfaces. For spray application thin with Regal Chlorinated Rubber Thinner. Avoid overthinning. Stir well before use.

### Drying Times

Surface dry: 4-5 hours.

Hard dry/re-coatable: 6-8 hours.

### Spreading Capacity

7-9 m<sup>2</sup>/l when applied by brush to a smooth surface.

### Equipment Cleaner

Regal Chlorinated Rubber Thinner.

### Colour Range

Light Grey.

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **General Metal Surfaces:** Prepare surface (refer Data sheet SP 3). Apply liberally, 1 coat of Regal Chlorinated Rubber Zinc Phosphate/ Chromate Metal Primer.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

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## REGAL TWO - PACK EPOXY ZINC PHOSPHATE PRIMER

**B13**

### Description & Uses

A superior quality lead free corrosion-resistant primer with excellent adhesion on a variety of properly prepared surfaces. 2 Pack Epoxy Zinc Phosphate Primer improves adhesion of topcoats and resists moisture damage caused by water permeation. Suitable for use under Chlorinated Rubber and 2 Pack Epoxy finishes.

### Characteristics

A two-Pack Primer based on epoxy resin pigmented with Zinc Phosphate anti-corrosive pigment.

### Advantages

Quick Drying. Excellent adhesion and corrosion resistance. Exceptional top coat hold-out.

### Finish

Semi-matt.

### Application

Brush, roller, conventional or airless spray.

### Thinning & Mixing

Prior to use, mix 3 parts base to 1 part curing agent by volume, stirring thoroughly. Can be thinned with Regal Two-Pack Epoxy Thinner if necessary to ease brushing and for spray application. Allow the mixed material to stand for 15 minutes prior to use.

### Important

As the pot-life of the mixed material is limited. Do not mix more than can be used during the working day.

### Drying Times

Surface dry: 2 hours.

Recoat: 14 hours in dry well ventilated conditions.

### Spreading Capacity

10-12 m<sup>2</sup> at 30-40 µm DFT, subject to surface profile, operating conditions and application techniques.

### Equipment Cleaner

Regal Two-Pack Epoxy Thinners.

### Colour Range

Light Grey.

### Pack Sizes

4 litres (base and catalyst combined).

### Availability

Available from Regal Depots and through Regal Stockists.

### Specifications

- **Iron & Steel Structures, Damaged, faulty, galvanized Iron surfaces.** Prepare surface (refer data sheet SP 3). Apply 1 coat of Regal two-pack Epoxy Zinc Phosphate Primer.

### Notes

1. The "Pot-life" of the mixture is approximately 24 hours and, therefore, only sufficient material should be mixed to use in one day.
2. The film does not attain maximum hardness and chemical resistance until 4-5 days after application.

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## REGAL TWO - PACK EPOXY ZINC CHROMATE PRIMER B14

### Description & Uses

A superior quality two pack, lead free corrosion resistant primer with excellent adhesion on a variety of properly prepared surfaces. 2 Pack Epoxy Zinc Chromate Primer improves adhesion of topcoats and resists moisture damage caused by water permeation. Suitable for use under Chlorinated Rubber and 2 Pack Epoxy finishes.

### Characteristics

A Two-Pack Epoxy Primer with Red Oxide and Zinc Chromate pigments.

### Advantages

Quick drying. Excellent adhesion. Exceptional corrosion and chemical resistance.

### Finish

Semi-matt.

### Application

Brush, roller, conventional or airless spray.

### Thinning & Mixing

Prior to use, mix 3 parts base to 1 part curing agent by volume, stirring thoroughly. Can be thinned with Crown Two-Pack Epoxy Thinner if necessary to ease brushing and for spray application. Allow the mixed material to stand for 15 minutes prior to use.

### Important

As the pot-life of the mixed material is limited. Do not mix more than can be used during the working day.

### Drying Times

Surface dry: 2 hours.

Recoatable: 14 hours in dry well ventilated conditions.

### Spreading Capacity

10-12 m<sup>2</sup>/l at 30-40µm DFT, subject to surface profile, operating conditions and application techniques.

### Equipment Cleaner

Regal Two-Pack Epoxy Thinners.

### Colour Range

Red Oxide.

### Pack Sizes

4 litres (base and catalyst combined).

### Availability

Available from Regal Depots and through Regal Stockists.

### Specifications

- **Iron & Steel Structures, Damaged, faulty, galvanized Iron surfaces:** Prepare surface (refer data sheet SP 3). Apply 1 coat of Regal two-pack Epoxy Zinc Chromate Primer.

### Notes

1. The "Pot-life" of the mixture is approximately 24 hours and, therefore, only sufficient material should be mixed to use in one day.
2. The film does not attain maximum hardness and chemical resistance until 4-5 days after application.

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## REGAL TWO - PACK EPOXY ZINC RICH PRIMER **B15**

### Description & Uses

A superior quality Two-Pack Metal Primer which offers maximum corrosion resistance when used with the appropriate chemical resistant finishes. Suitable for maximum protection on bridges, pylons, industrial buildings etc, especially in coastal regions and damp and humid climatic conditions. The high metallic zinc powder content gives sacrificial protection to blast cleaned steelwork.

Suitable for coating welded areas between joined galvanized sheets and for patching defects in galvanized surfaces, being in effect, brush applied galvanizing.

An excellent primer for shot blasted steel as a base for Chlorinated Rubber and Epoxy finishing systems. For best results all structural steelwork etc. should be blast cleaned to minimum Swedish standard SA 2½ (blast to white metal).

### Characteristics

A Two-Pack Primer based on epoxy resin with a Polyamide curing agent, incorporating a high Metallic Zinc Powder content to confer optimum anti-corrosive and chemical resistant properties.

### Advantages

Excellent rust inhibiting properties in damp conditions. Repairs damaged/defective galvanized surfaces. Excellent chemical resistance. Quick drying. Good adhesion.

### Finish

Matt.

### Application

Brush, conventional or airless spray.

### Thinning & Mixing

Prior to use, mix 6 parts base to 1 part catalyst/curing agent by volume, stirring thoroughly. Can be thinned with Regal Two-Pack Epoxy Thinner if necessary to ease brushing and for spray application. Allow the mixed material to stand for 15 minutes prior to use.

### Important

As the pot-life of the mixed material is limited. Do not mix more than can be used during the working day.

### Drying Times

Surface dry: 1 hour.

Recoatable: 12 hours in dry well ventilated conditions.

### Spreading Capacity

5-8 m<sup>2</sup>/l at 40 microns dry film thickness, subject to surface profile and application techniques.

### Equipment Cleaner

Regal Two-Pack Epoxy Thinner.

### Colour Range

Grey.

### Pack Sizes

4 litres (base and catalyst combined).

### Availability

Available from Regal Depots and through Regal Stockists.

### Specifications

- **Iron & Steel Structures, Damaged, faulty, galvanized Iron surfaces. Prepare surface (refer data sheet SP 3).** Apply liberally by brush 1 coat of Regal two-pack Epoxy Zinc Rich Primer.

### Notes

1. The "Pot-life" of the mixture is approximately 24 hours and, therefore, only sufficient material should be mixed to use in one day.
2. The film does not attain maximum hardness and chemical resistance until 4-5 days after application.

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C

# Premium Range: Waterbased

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# REGAL VINYL MATT EMULSION WITH TEFLON® C1

## Product Description

A top quality matt emulsion incorporated with Teflon® additive which improves stain resistance to allow minimal to nil penetration of normal household liquids like tea, juice, ketchup etc, allowing these to be simply scrubbed off with water without leaving stains on the surface. However, some stubborn stains might still need to be cleaned with a mild detergent. Suitable for new and previously painted plaster, cement, brick, stone, asbestos softboard and hardboard sheets etc. It has exceptional ease of application and dries to a smooth, matt highly washable finish.

## Characteristics

Manufactured from the finest quality, carefully selected pigments, finely ground in a copolymer emulsion with Teflon® additive.

## Advantages

Washable. Easy wipe. Splash and Stain Resistant. More durable than other matt paints. Excellent hiding power. Quick drying. Easy to apply. No primer required on new and sound previously painted masonry surfaces. Wide colour range. Smooth matt finish. Suitable for interior and exterior use. Allows new walls, still containing moisture to breathe/dry out.

## Recommendation:

For interior use.

## Finish

Matt.

## Application

By brush, rollers, conventional or airless spray.

## Thinning

Supplied ready for use. However, on new, bare and porous surfaces and for spray application Regal Matt Emulsion with Teflon® can be thinned up to 15% with clean water for first coat on new surfaces to aid penetration into porous surfaces. Avoid over-thinning as this will affect the opacity. Stir well before use.

## Drying Times

Touch Dry: 1-2 hours.

Re-coatable: 3-4 hours.

## Spreading Capacity

Surface type	New or Unpainted	Previously painted
Smooth - Lime Plaster	11 - 13	12 - 14
Cement - Wood Float	10 - 12	12 - 14
Bag Wash - Concrete Blocks	5 - 7	6 - 8
Tyroleam / Roughcast	2 - 4	3 - 5

For guidance, approximate spreading capacities are shown in the table in m<sup>2</sup>/L.

## Equipment Cleaner

Water.

## Colour Range

Over 6,000 Colours including BS 4800 Regal House Colours plus any other shades from our Tinting system.

## Pack Sizes

1 litre, 4 litres and 20 litres.

## Availability

From Regal Depots in and through Regal Stockists.

## Surface Preparation

- **New Work:** Apply 3 coats Regal Matt Emulsion with Teflon® with first coat thinned up to 15% with clean water.
- **Surfaces Previously Painted in Water Based Paint:** Ensure the surface is clean and free of powdery or flaking material. If surface is still suspect, apply 1 coat of Regal Penetrating Primer and allow to dry overnight. Then apply 2 coats Regal Matt Emulsion with Teflon®.
- **Previously Gloss Painted Surfaces:** Ensure that the gloss finish is thoroughly rubbed down to provide a key. Apply 1 coat of Regal Undercoat followed by 2 coats Regal Matt Emulsion with Teflon®.
- **Loosely bound & lime-washed, cement painted, distempered surfaces:** Remove all loose and flaking material down to a firm base, where necessary removing all previous coatings down to the original building fabric (refer Surface Preparation Data Sheet SP 1). Apply 1 coat Regal Penetrating Primer. Apply 2 coats Regal Matt Emulsion with Teflon®.

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## REGAL VINYL MATT EMULSION WITH TEFLON® (CONT)

C1

### Notes

1. When overcoating walls in sound condition with the same shade, the application of 1 coat may be sufficient.
2. When overcoating a dark colour with a light shade, the application of 3 coats may be necessary.
3. Choice of colours – for technical reasons (often dependent upon pigment origin and type) an additional coat will often be required when using certain shades (particularly Bright Yellows, Greens, Oranges, Reds – refer colour card for details). The use of these colours should be avoided on medium and low-cost projects. Where these low opacity colours are to be used on bare plaster, or for

overcoating dark colours, the application of a first coat of a paler shade offering superior coverage is recommended. Consult Regal Technical Advisory Department for advice.

4. For chemical reasons, certain dark colours offer less resistance to fading when subjected to ultra violet light, especially in tropical climates. Consult Regal Technical Department for further details.

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# REGAL SILK VINYL EMULSION

C2

## Description & Uses

A high quality VAM-Veova emulsion paint with a fashionable silky finish which is extremely tough and washable. Ideal for domestic use in kitchens, bathrooms, stores, wash rooms and passages and particularly recommended for use in hospitals, food processing areas etc. In addition to plaster, stone etc, Regal Silk Vinyl can be used on timber and is particularly suitable for use in office complexes on wallboards/partitioning etc.

## Characteristics

A VAM-Veova emulsion based paint incorporating the finest quality pigments.

## Advantages

Very tough, washable finish. Attractive silk appearance. Can be more speedily and economically applied than oil-based eggshell paints. Low odour. Quick drying. No special primers or thinners required.

## Recommendation:

For interior use.

## Finish

Semi -gloss, sheen finish.

## Application

Brush, roller or spray equipment.

## Thinning

Supplied ready to use and thinning is not necessary except for spray application or for application to porous surfaces. Where necessary thin with clean water but avoid over-thinning as this will affect the opacity. Stir well before use.

## Spreading Capacity

See table below in m<sup>2</sup>/l

Surface type	New or Unpainted	Previously painted
Smooth- Lime Plaster	10 -12	13 - 15
Cement-Wood Float	10 -12	12 -14
Bag Wash-Concrete Blocks	5 -7	6 - 8
Tyroleam / Roughcast	2 - 4	3 - 5

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## Equipment Cleaner

Water.

## Colour range

Available in a selection of pastel colours chosen from the various colour charts and is available on the Regal dispensing system.

## Pack Sizes

1 litre, 4 litres and 20 litres.

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- **New, unpainted Walls, Wallboards, Soft board Ceiling etc.** Prepare surface (see appropriate surface data sheet). Apply 1 coat Regal Vinyl Matt Emulsion of the same shade. Apply 2 or 3 coats Regal Silk Vinyl
- **Previously Painted Surfaces in Sound Condition:** (Matt Emulsion or Similar finish): Prepare the surface. Apply 2 coats Regal Silk Vinyl Emulsion (see Note 1 below).
- **Previously Painted Surfaces in Poor Condition:** Thoroughly remove all loose, flaking and powdery paint down to the original substrate if necessary. Friable and porous walls should be primed with Regal Penetrating Primer. Apply 2 coats Regal Silk Vinyl Emulsion (see Note 1 below).
- **Previously Gloss Painted Surfaces:** Prepare surface – ensure that the gloss finish is thoroughly rubbed down to provide a key. Apply 1 coat of Regal Undercoat (the application of water- based paints directly to a gloss finish is not recommended). Apply 2 coats Regal Silk Vinyl Emulsion.

## Note

1. When overcoating a dark surface or where a distinct colour change is required the application of 1 coat of Regal Vinyl Matt Emulsion is recommended to obtain obliteration of the original colour, prior to applying 2 coats of Regal Silk Vinyl Emulsion.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

# REGAL MEDICRYL SILK VINYL EMULSION

C3

## Description & Uses

Regal Medicryl Silk Emulsion is a premium quality Anti-Bacterial waterborne paint which provides a subdued sheen level. It has fast drying, low odour qualities and ensures ease of application in public areas.

Independently tested and APPROVED by IMSL-UK (Industrial Microbiological Services Ltd), the product is suitable for Hospitals, Clinics, Food courts, Kitchen areas and other areas of high traffic to prevent growth of Bacteria and Fungus. Totally safe for use in Nurseries, Schools, Hospitals, Restaurants, Hotels, Public buildings etc. Especially resistant against Escherichia Coli & Staphylococcus Aureus bacteria. It is suitable for new and previously painted surfaces e.g. Plaster Cement, Brick, Stone, Soft/Hard Woods, Asbestos sheets etc. Special Anti-Bacterial Primer is available with this paint to achieve best results.

## Characteristics

High scrub resistance, making it highly washable. Suitable for areas of high traffic which require regular cleaning e.g. passage ways, corridors and reception areas. Contains special Bactericides to fight Bacterial and Fungus growth.

## Advantages

Washable, odour free & has an attractive sheen finish. Easy to apply by Brush or Roller. Minimum down-time for key working areas. Tough and washable finish-Economic maintenance, Good opacity. Fights bacterial and fungal growth.

## Recommendation

For interior use.

## Surface Preparation

All surfaces must be clean, dry and free from dust, grease, mould, dirt, loose or flaking old paintings. Cracks and surface defects must be made good using Regal Polyfilla.

**New Unpainted Surfaces:** Allow surface to dry. Apply 1 coat Regal Medicryl Silk Emulsion thinned up to 25% with water for first coat. Apply 2 more coats of Regal Medicryl Silk Emulsion.

**Surfaces Previously Painted in Waterbased Paint:** Ensure the surface is clean and free of powdery or flaking material. If surface is still suspect, apply 1 coat of Regal Penetrating Primer and allow to dry overnight. Then apply 2 coats Regal Medicryl Silk Emulsion.

**Previously Gloss Painted Surface:** Ensure that the gloss finish is thoroughly rubbed down to provide a key. Apply 1 coat of Regal Undercoat followed by 2 coats Regal Medicryl Silk Emulsion.

## Application

By brush, roller or conventional spray.

## Thinning

Use clean water for thinning and cleaning of equipment. Stir well before use. Avoid over-thinning.

## Drying Times

Surface dry: 1hour

Recoatable: 2-4 hours.

## Spreading Capacity

See Table Below (m<sup>2</sup>/l).

Surface type	New or Unpainted	Previously Painted
Smooth- Lime Plaster	12 -14	14 - 17
Cement-Wood Float	10 -12	12 -14
Bag Wash-Concrete Blocks	5 -7	6 - 8
Tyroleam / Roughcast	2 -4	3 -5

## Equipment Cleaner

Water.

## Colour Range

Available in selected shades.

## Finish

Silk sheen.

## Pack Sizes

1 litre, 4 litres and 20 litres.

## Availability

From Regal Depots and through Regal Stockists.

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# REGAL COVERMATT EMULSION

C4

## Description & Uses

Regal Covermatt has been especially prepared for use by the trade for the interior decoration of walls and ceilings. Can be applied directly to cement rendering, brick, stone etc., in addition to plaster and soft board surfaces. Covermatt possesses excellent obliterating characteristics and is extremely easy to apply.

## Characteristics

High opacity copolymer emulsion paint with lead-free pigmentation. Contains a fungicide to retard mould growth.

## Advantages

Excellent hiding power. Economical. The porous nature of the film allows new surfaces to breathe and dry out easily. No primer required on new or previously painted sound masonry surfaces.

## Recommendation

For interior use.

## Finish

Matt.

## Application

Apply by brush, roller or spray equipment.

## Thinning

For first coat work and for application to porous or textured surfaces and for spray application, Covermatt can be thinned with clean water but over-thinning should be avoided.

## Drying Times

Re-coatable in 4 hours.

## Spreading Capacity

See Table Below (m<sup>2</sup>/l)

Surface type	New or Unpainted	Previously painted
Smooth - Lime Plaster	11 -14	14 - 15
Cement - Wood Float	9 -11	12 -13
Bag Wash - Concrete Blocks	4 - 6	7 - 8
Tyroleam/Roughcast	3 - 5	3½ - 4½

## Equipment Cleaner

Water.

## Colour Range

Available in a limited range of colours chosen from the BS 4800 shade range and Regal house colours.

## Pack Sizes

1 litre (White Only), 4 litres and 20 litres.

## Availability

From Regal Depots through Regal Stockists.

## Specifications

- **New Work:** Walls, Ceilings etc: Prepare surfaces (Refer appropriate surface Data Sheet). Apply 3 coats Regal Covermatt.
- **Previously (Matt Emulsion) Painted Surfaces in Sound Condition:** Prepare surface. Apply 2 coats Regal Covermatt.
- **Loosely bound, unsound surfaces (including walls previously painted with distemper, cement paint, lime wash etc):** Prepare surface (refer Data Sheet SP 2). Apply 1 coat Regal Penetrating Primer. Apply 2 coats Regal Covermatt.

## Note

1. Two coats may offer complete obliteration depending on the colour in use and the surface being coated but 3 coats are recommended for maximum protection.
2. One coat may be sufficient when using the same shade over paint work in reasonable condition.

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# REGAL COVERMATT +2 EMULSION

## C5

### Description & Uses

Regal Covermatt +2 has been designed to enhance the original Covermatt formulation by increasing the hiding power and adding product life expectancy.

Primarily designed for use within the new building segment to provide maximum coverage and thereby reduce cost by providing a better overall quality performance. Covermatt +2 is an ideal ceiling paint for all normal surfaces with its high performance coverage and total matt appearance. For ceilings, it is highly cost effective, potentially saving material and labour costs.

### Characteristics

Total Matt finish. Allows new plaster to breathe and dry out evenly after paint application.

### Advantages

Economic price. High covering power. Total Matt finish. Virtually odour free. Rapid drying. Ease of application. Hides surface imperfection. Ideal for ceilings. Extended colour offer. Allows plaster surfaces to breathe.

### Recommendation

For interior use.

### Finish

Matt.

### Application

By brush, roller or airless spray equipment.

### Thinning

Supplied ready for use. If required, should be thinned with minimal clean water. Avoid overthinning as this will affect the opacity. Stir well before use.

### Drying Times

Re-coatable after 4 hours.

### Equipment Cleaner

Water and household detergent.

### Spreading Capacity

See Table Below (m<sup>2</sup>/l).

Surface type	New or Unpainted	Previously painted
Smooth- Lime Plaster	11 -14	14 – 18
Cement-Wood Float	10 -12	13 -15
Bag Wash - Concrete Blocks	5 -7	7 – 9
Tyrolean/ Roughcast	3 - 5	4 – 6

### Colour Range

White and a limited colour range as per Regal Colour Chart.

### Pack Sizes

1 litre, 4 litres & 20 litres.

### Availability

From Regal Depots and through Regal Stockists.

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## REGAL TRANSEAL ACRYLIC CLEAR FINISH

C6

### Description & Uses

Transeal can be applied to unpainted concrete, brick, stone etc, to produce an attractive, eggshell or semi-gloss clear finish which will be more dust-resistant and more easily cleaned than the bare substrate. Transeal can also be applied over matt emulsion paint to produce a semi-gloss finish or over wallpapers to render them more washable. This versatile product can also be mixed with PVA emulsion paint to increase the sheen level of the finish.

An attractive finish can be obtained by applying Transeal to quarry tiles prior to the application of wax polish.

Transeal is designed for interior use and should not be applied to exterior surfaces subjected to strong sunlight.

### Characteristics

A unique formulation based on a special VAM-Veova emulsion which has a white opaque appearance in the container, but produces a clear film after application.

### Advantages

Transfers a matt finish into an eggshell or semi-gloss, washable surface. Enhances the features of the substrate. Seals porous surfaces prior to the application of wax polish. Easy to apply and economical. Water thinnable.

### Recommendation

For interior use.

### Finish

Eggshell or semi-gloss. The sheen level can be varied by the amount of water added; increased thinning will reduce the sheen level.

### Application

By brush, roller or spray. When coating porous surfaces such as brick, stone, quarry tiles etc, application by brush is recommended to improve penetration and adhesion.

### Thinning

Transeal should be thinned with clean water to ease brushing consistency. Considerable thinning will be required when coating porous surfaces. Stir well before use.

### Drying Times

Transeal dries extremely quickly, especially when applied to porous surfaces and can be recoated in 3-4 hours.

### Spreading Capacity

12-16 m<sup>2</sup>/l when applied to a smooth, non-porous surface. Spreading capacity will be considerably reduced when coating unsealed, porous and textured surfaces.

### Equipment Cleaner

Water.

### Colour Range

Clear.

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots in and through Regal Stockists.

### Specifications

- **Brick, stone, concrete, quarry tiles etc:** Prepare surface (refer data sheet (sp 3). Apply by brush 1 coat of Transeal, thinned with clean water to brushing viscosity. If necessary apply a 2nd coat after 3-4 hours in dry conditions.
- **Stone, concrete, quarry tile floors** should be immediately protected with several applications of wax polish.
- **Matt emulsion and textured painted surfaces:** Ensure the surfaces are thoroughly clean and apply by brush, roller or spray, 1 or 2 coats of Transeal. To ease brushing on textured surfaces, thin with clean water. When mixing Transeal with PVA emulsion paint, thorough dispersion is necessary to obtain a uniform sheen level.

### Important

Do not apply any type of varnish on timber floors if:

1. the timber is known to have been fixed with a bitumen-based adhesive which could react with the solvent in the varnish and/or
2. the timber or floor structure is damp or is known to have a history of rising damp due to faulty structure, absence of damp-proof course or for any other reason.

In these circumstances, sealing of the floor with a single or two-pack varnish could cause the complete floor to lift.

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## REGAL WEATHERSHIELD EXTERIOR EMULSION C7

### Description & Uses

Weathershield Exterior Emulsion is a super quality VAM-Veova emulsion based paint formulated to give a tough, flexible, smooth finish offering maximum protection of walls and masonry against severe tropical weather. Regal Permaplast Exterior Emulsion contains a special fungicide to resist attack by mould and algae, ideal for use on coastal and high-rise properties.

First registered in 1979, Weathershield was only introduced five years later after satisfactory completion of rigorous exposure tests under the toughest conditions along Kenya's coastline.

### Characteristics

Manufactured from finest quality, carefully selected light fast pigments, finely ground in a fine particle size pure acrylic emulsion medium. Offers excellent surface penetration.

### Advantages

Smooth sheen finish which discourages the collection of dust, industrial pollution and other contamination, so surfaces coated with Weathershield stay clean longer than matt emulsion paints, thereby requiring less frequent decoration. Good hiding power, quick drying and easy to apply. No primer required on new and previously painted (sound) surfaces. Allows new walls, still containing moisture to breathe/dry out. Excellent fungicidal resistance. Good flexibility and durable.

### Recommendation

For exterior use.

### Finish

Low sheen.

### Application

By brush roller, conventional or airless spray equipment.

### Thinning

Supplied ready for use. However, on new, bare porous and rough surfaces and for spray application Regal Weathershield should be thinned with clean water. Avoid overthinning as this will affect the opacity. Stir well before use.

### Drying Times

Re-coatable after 4 hours.

### Spreading Capacity

13-15 m<sup>2</sup>/l. Rates of 10-12 m<sup>2</sup>/l can be expected on cement rendered walls but spreading capacity will be considerably reduced when coating rough textured surfaces.

### Equipment Cleaner

Water and household detergent.

### Colour Range

White, soft white, cream, buttermilk, magnolia, ivory, and can be supplied on order in a range of additional pastel colours.

### Pack Sizes

1 litre, 4 litres and 20 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications:

- **New work:** Prepare surfaces (refer appropriate surface data sheet) Apply 3 coats Regal Permaplast.
- **Previously painted surfaces - sound condition:** Prepare surface. Apply two coats Regal Weathershield. One full coat may be sufficient when re-coating a sound surface of the same shade.
- **Previously painted surfaces - unsound condition:** Remove all loose and flaking material down to a firm base, where necessary removing all previous decorations down to the original building fabric. (Refer surface preparation data sheet sp1). Apply 1 coat Regal Penetrating Primer. Apply a minimum of 2 coats Regal Weathershield.
- **Old and loosely bound walls - lime washed cement painted distempered etc.:** In those cases where the condition of the walls has reached an advanced stage of deterioration, the application of Permaplast, (or any other good quality paint) is not recommended. This also applies when wishing to overcoat whitewash/lime wash or similar forms of cheap decoration and in those cases where the plaster or building fabric is crumbling. Unless the wall can be re-plastered, temporary redecoration with a similar low grade material should be considered. This recommendation is especially appropriate in Uganda's regions.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

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# REGAL PERMACOTE EXTERIOR EMULSION WITH TEFLON®

C8

## Description & Uses

Regal Permacote Exterior Emulsion with Teflon® is a Super Premium, pure acrylic based exterior decorative and protective paint incorporated with Teflon® additive which allows it to become even more scrubbable, stain resistant and easier to clean than any other exterior matt finish. Suitable for new and previously painted plaster, cement, brick, stone, softboard, hardboard, asbestos etc.

## Characteristics

Manufactured from Pure Acrylic emulsion, combined with special Biocides to resist and greatly retard mould and algae and Teflon® additive to increase stain resistance and self cleansing in the rains and to inhibit dust contaminates.

## Advantages

Washable, Easy wipe, Splash and Stain resistant. High covering power. Easy to apply-no special application or equipment needed. Rapid drying-two coats the same day. Can be applied on all types of surfaces subject to normal preparation. Waterborne system. Virtually odour free. Widest possible colour range. Long term protection. Reduced maintenance costs. Hides surface imperfections. Effective for filling hair line cracks.

## Recommendation

For exterior use.

## Finish

Matt.

## Application

By brush, roller or airless spray equipment.

## Thinning

Supplied ready for use. If required, first coat can be thinned with up to 15% clean water. Avoid over thinning as this will affect the opacity. Stir well before use.

## Drying Times

Touch Dry: 1-2 hours.

Re-coatable: after 3-4 hours.

## Equipment Cleaner

Water and household detergent.

## Spreading Capacity

See Table Below (m<sup>2</sup>/l).

Surface type	New or Unpainted	Previously painted
Smooth - Lime Plaster	12 -14	13 – 17
Cement - Wood Float	10 -12	12 -14
Bag Wash - Concrete Blocks	5 -7	6 – 8
Tyroleam / Roughcast	2 - 4	3 – 5

## Colour Range

Over 7,000 Colours including BS 4800 Regal House Colours plus any other shades from our Tinting system.

## Pack Sizes

1 litre, 4 litres and 20 litres.

## Availability

From Regal Depots in Kampala, Arua and Mbarara and through Regal Stockists.

## Surface Preparation

- **New Work:** Apply 3 coats Regal Permacote Exterior Emulsion with Teflon® with first coat thinned up to 15% with clean water.
- **Surfaces Previously Painted in Water Based Paint:** Ensure the surface is clean and free of powdery or flaking material. If surface is still suspect, apply 1 coat of Regal Penetrating Primer and allow to dry overnight. Then apply 2 coats Regal Permacote Exterior Emulsion
- **Prewith Teflon®.viously Gloss Painted Surfaces:** Ensure that the gloss finish is thoroughly rubbed down to provide a key. Apply 1 coat of Regal Undercoat followed by 2 coats Regal Permacote Exterior Emulsion with Teflon®.
- **Loosely bound & lime-washed, cement painted, distempered surfaces:** Remove all loose and flaking material down to a firm base, where necessary removing all previous coatings down to the original building fabric (refer Surface Preparation Data Sheet SP 1). Apply 1 coat Regal Penetrating Primer. Apply 2 coats Regal Permacote Exterior Emulsion with Teflon®.

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## REGAL PERMACOTE EXTERIOR EMULSION with TEFLON® (CONT)

C8

### Notes

1. When overcoating walls in sound condition with the same shade, the application of 1 coat may be sufficient.
2. When overcoating a dark colour with a light shade, the application of 3 coats may be necessary.
3. Choice of colours – for technical reasons (often dependent upon pigment origin and type) an additional coat will often be required when using certain shades (particularly Bright Yellows, Greens, Oranges, Reds – refer colour card for details). The use of these colours should be avoided on medium and low-cost projects. Where these low

opacity colours are to be used on bare plaster, or for overcoating dark colours, the application of a first coat of a paler shade offering superior coverage is recommended. Consult Regal Technical Advisory

4. For chemical or advice reasons, certain dark colours offer less

resistance to fading when subjected to ultra violet light, especially in tropical climates. Consult Regal Technical Department for further details.

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# D

# Premium Range: Oil Based

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# REGAL SUPER GLOSS

D1

## Description & Uses

A superior quality protective finish producing a deep gloss finish on properly prepared surfaces. Suitable for use on wood, metal, plaster, wallboards, brickwork and stone work etc., over the appropriate primer and undercoat.

Regal Super Gloss is formulated to offer maximum durability in extreme tropical coastal weather conditions.

## Characteristics

Manufactured from the highest quality pigments and alkyd resin.

## Advantages

Unique formulation offering excellent opacity and durability, inhibiting early chalking. Excellent flexibility to withstand tropical weather conditions. Easy to apply. Wide colour range.

## Finish

Full gloss.

## Application

Brush, roller or spray.

## Recommendation

Interior and exterior use.

## Thinning

Supplied ready for use for brushing and rolling but for spray application, thin to the required viscosity with Regal White Spirit. Avoid overthinning. Stir well before use.

## Drying Times

Surface dry: 4 hours. Through dry & re-coatable after 16 hours.

## Spreading Capacity

13–15 m<sup>2</sup>/l when applied over Regal Undercoat on a smooth surface.

## Equipment Cleaner

Regal White Spirit.

## Colour Range

Available in the full BS 4800 colour range plus additional Regal house colours, Ambience and other colour charts available on the Regal Tinting system.

## Pack Sizes

½ litre, 1 litre, 4 litres and 20 litres.

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- **New Work for maximum protection, interior and exterior:** Prepare surface (refer appropriate surface preparation Data Sheet). Apply 1 coat appropriate Primer. Apply 1 coat Regal Undercoat. Apply 2 coats Regal Super Gloss.

## Notes

1. When applying gloss on gloss the 1st coat should be lightly abraded with fine sandpaper to guarantee good inter-coat adhesion.
- **Minimum Specification Work for Medium and Low Cost Projects:** Prepare surface (refer appropriate surface preparation Data Sheet). Apply 1 coat (appropriate) Primer. Apply 1 coat Regal Undercoat. Apply 1 coat Regal Super Gloss.
- **Previously Painted Surfaces in Sound Condition:** Prepare surface. Apply 1 coat Regal Undercoat (Where necessary only). Apply 1 coat Regal Super Gloss.
- **Previously Painted Surfaces in unsound Condition:** Remove all old loose, flaking and wrinkled oil paint using paint scrapers/sandpaper or by blow torch, paint and varnish remover or mechanical means, down to the original surface where necessary. Patch prime (bare metal, wood plaster surfaces) with appropriate primer. Apply 1 coat Regal Undercoat. Apply 2 coats Regal Super Gloss.
2. ~~When~~ using White or a pale shade of Undercoat and finishing coats over a dark primer or a dark previously painted surface, the application of a second coat of undercoat may be required.
3. Stop up cracks, nail holes and other surface imperfections with linseed oil, Putty or appropriate filler, after priming or before undercoating.
4. Allow 16 hours drying time and lightly rub down and dust off between coats.
5. When repainting sound gloss painted surface with a similar shade, the application of one good coat of Regal Gloss is frequently sufficient.

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## REGAL EGGSHELL (SEMI GLOSS) FINISH

D2

### Description & Uses

A semi-gloss oil-based finish designed for use on INTERIOR walls and ceilings in corridors, reception areas, canteens and high traffic areas where exceptional resistance to wear, dirt and steam is necessary but where a full gloss finish is considered unsuitable. Can be applied to suitably prepared and primed woodwork and metal work where a fashionable sheen finish is desirable.

### Characteristics

A high quality oil paint based on a special alkyd resin medium and superior pigments.

### Advantages

A durable, smooth, eggshell finish. Resists dirt, condensation, repeated scrubbing and is easily cleaned.

### Recommendation

Interior use.

### Finish

Semi Gloss.

### Application

By brush, roller or spray.

### Thinning

If necessary thin with Regal White Spirit to ease application. Thin to the required viscosity for spray application. Stir well before use.

### Drying Times

Re-coatable in 16 hours.

### Spreading Capacity

13-15 m<sup>2</sup>/l when applied on a primed/painted smooth surface.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Available ex-stock in White. The majority of BS 4800 shades can be supplied on request (dependent upon quantities required).

### Pack Sizes

1 litre, 4 litres and 20 litres.

### Availability

From Regal Paints through Regal Stockists.

### Specifications

- **New Work:** Prepare surface (refer appropriate surface preparation Data Sheet). Apply 1 coat (appropriate Primer). Apply 1 coat Regal Undercoat and 1 or 2 coats Regal Eggshell Finish.
- **Previously Painted:** Prepare surface and patch prime bare metal, wood etc, with appropriate primer. Apply 1 coat Regal Undercoat and 1 or 2 coats Regal Eggshell Finish.

### Note

For maximum durability on exterior surfaces the use of Regal Super Gloss is recommended.

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# E

# Wood Finishes & Preservatives

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# REGAL AQUAVAR WATER BASED VARNISH

E1

## Description & Uses

A high quality water based translucent finish for Interior & Exterior use. It protects and enhances the beauty of all wood such as doors, windows, panels and furniture. It can also be used on joinery items like garden benches, pergolas etc.

## Characteristics

Manufactured from the highest quality water borne dispersions offering good gloss, fast drying and hardness.

## Advantages

Water based, low VOC, low toxicity and non-flammable. Quick drying (30 min surface dry) and easy to apply. Interior & Exterior use. Good mould, scruff, scratch, UV and water resistance. Good flow, leveling, gloss, hardness and film strength.

## Colour Range

Clear and 18 selected shades.

## Pack Sizes

4 litre and 1 litre plastic buckets.

## Finish

Satin and Translucent.

## Surface Preparation

Surface should be clean, dry and free of any loose powder.

## New Timber

The surface must be dry and free of oil/ grease and any other contaminants. Sand down the woodwork to a smooth surface with 150/220 grit sandpaper and dust off thoroughly.

## Previously Coated Surfaces

Surfaces previously coated with air drying varnish should be lightly abraded with sandpaper before applying Aquavar. If the surface has been previously painted, remove all paint and treat as new wood.

## Application

By brush or roller, with light sanding between coats to improve adhesion.

## Drying Times

Touch dry: 30 minutes.

Overcoating: 2-3 hours.

## Spreading Capacity

10-14 m<sup>2</sup>/L dependent on porosity of the wood.

## Thinning

Thin with minimal clean water if required. Avoid over-thinning.

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## REGAL WOODSEAL VARNISH – Gloss/Satin/Matt E2

### Description & Uses

A high quality varnish especially formulated to produce a tough, full gloss, satin or matt clear finish on parquet and all types of timber flooring. Suitable for general use on furniture, door panels and frames, pelmets, skirting boards, counters, wall partitions and general woodwork.

### Characteristics

Manufactured from a modified alkyd resin.

### Advantages

Retains natural beauty of the timber. Excellent adhesion to timber. Hard-wearing, abrasion resistant finish. Single pack type which facilitates easy application. High spreading capacity.

### Finish

High-gloss. Satin and Matt Finish also available but not recommended for use on floors.

### Application

Apply by brush, working well into the surface to obtain good penetration and adhesion.

### Thinning

The first coat, on new and bare timber, should be thinned to ease brushing consistency using **Regal White Spirit**. Subsequent coats can be thinned if necessary. The use of inferior thinners will affect the gloss, drying and durability.

### Drying Times

Touch dry: 3-4 hours.

Recoatable: in 12 hours in dry, well ventilated conditions.

### Spreading Capacity

14-16 m<sup>2</sup>/l when applied by brush on a smooth surface. On new and bare timber the spreading capacity will vary depending on the type and porosity of the wood.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Clear.

### Pack Sizes

½ litre, 1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New and Bare Parquet and Timber floors:** Prepare surface (refer Data Sheet SP 2). For maximum gloss and protection apply 3 coats of **Regal Woodseal Varnish**, thinning the 1st coat to assist application and penetration
- **New and Bare Woodwork:** Prepare surface (refer Data Sheet Sp 2). Apply 3 coats **Regal Polyurethane Woodseal**.
- **Previously Varnished floors – in sound condition:** Prepare surface. Apply 2 coats **Regal Woodseal Varnish**.
- **Previously Varnished floors – in poor condition:** Re-sand the floor with mechanical sanding machine where possible. Alternatively remove all previous varnish coatings with paint and varnish remover and then treat as for new woodwork.

### Notes

1. For best results rub down between coats with fine sand paper (preferably waterproof abrasive paper) and wipe clean.
2. Do not apply **Regal Woodseal Varnish** over the floors which have been wax polished unless all traces of polish are removed using solvent following which the timber must be thoroughly sanded down. Failure to remove all polish will result in poor drying; poor adhesion and a patchy appearance will result.
3. When coating new timber, all contamination including cement splashes, greasy finger marks, carpenter's pencil marks etc, must be sanded off.
4. Once the Woodseal has been allowed to harden, the application of a clear floor polish will assist in protecting the surface against abrasion and scuffing from dust particles, grit etc, and pedestrian traffic.
5. Ensure the woodwork is completely dry as moisture will react with the varnish and produce a milky appearance. **Regal Woodseal Varnish** should not be applied to floors if there is a danger of rising damp (especially in old buildings which have no damp-proof course) as this may cause the timber floor tiles to lift.

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## REGAL POLYURETHANE VARNISH - Gloss/Satin/Matt E3

### Description & Uses

A high quality single pack Polyurethane Varnish, especially formulated to produce a tough, full gloss or matt clear finish on parquet and all types of timber flooring (gloss only). Suitable for general use on furniture, door panels and frames, pelmets, skirting boards, counters, wall partitions and general woodworking.

### Characteristics

Manufactured from an oil modified polyurethane resin.

### Advantages

Retains natural beauty of the timber. Excellent adhesion to timber. Hard-wearing, abrasion resistant finish. Single pack type which facilitates easy application. High spreading capacity.

### Finish

High-gloss, Satin and Matt Finish. The latter two are not recommended for use on floors.

### Application

Apply by brush, working well into the surface to obtain good penetration and adhesion.

### Thinning

The first coat, on new and bare timber, should be thinned to ease brushing consistency using **Regal White Spirit**. Subsequent coats can be thinned if necessary. The use of inferior thinners will affect the gloss, drying and durability.

### Drying Times

Touch dry: 3-4 hours.

Recoatable: in 12 hours in dry, well ventilated conditions.

### Spreading Capacity

14-16 m<sup>2</sup>/l when applied by brush on a smooth surface. On new and bare timber the spreading capacity will vary depending on the type and porosity of the wood.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Clear.

### Pack Sizes

½litre, 1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New and Bare Parquet and Timber floors:** Prepare surface (refer Data Sheet SP 2). For maximum gloss and protection apply 3 coats of **Regal Polyurethane Varnish**, thinning the 1st coat to assist application and penetration.
- **New and Bare Woodwork:** Prepare surface (refer Data Sheet Sp 2). Apply 3 coats **Regal Polyurethane Clear Varnish**.
- **Previously Varnished floors – in sound condition:** Prepare surface. Apply 2 coats **Regal Polyurethane Varnish**.
- **Previously Varnished floors – in poor condition:** Re-sand the floor with mechanical sanding machine where possible. Alternatively remove all previous varnish coatings with paint and varnish remover and then treat as for new woodwork.

### Notes

1. For best results rub down between coats with fine sand paper (preferably waterproof abrasive paper) and wipe clean.
2. Do not apply **Regal Polyurethane Varnish** over the floors which have been wax polished unless all traces of polish are removed using solvent following which the timber must be thoroughly sanded down. Failure to remove all polish will result in poor drying; poor adhesion and a patchy appearance will result.
3. When coating new timber, all contamination including cement splashes, greasy finger marks, carpenter's pencil marks etc, must be sanded off.
4. Once the **Regal Polyurethane Varnish** has been allowed to harden, the application of a clear floor polish will assist in protecting the surface against abrasion and scuffing from dust particles, grit etc, and pedestrian traffic.
5. Ensure the woodwork is completely dry as moisture will react with the varnish and produce a milky appearance. **Regal Polyurethane Varnish** should not be applied to floors if there is a danger of rising damp (especially in old buildings which have no damp-proof course) as this may cause the timber floor tiles to lift.

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## REGAL TWO - PACK POLYURETHANE VARNISH

E4

### Description & Uses

A high performance clear varnish, supplied in two-pack form, suitable for interior use on new and bare parquet and timber floors, door panels and general woodwork. Recommended as a clear furniture finish for use by furniture manufacturers and for home use.

Do not use for overcoating single-pack varnished surfaces unless all varnish coatings have been removed.

### Characteristics

A two-pack material based on polyurethane resin and special hardeners.

### Advantages

Hard, high gloss clear finish. Maintains natural beauty of the timber. Very good chemical and abrasion resistance. Excellent adhesion and flexibility.

### Finish

High gloss, Satin and Matt.

### Application

Apply by brush or spray. For spray application masks should be worn.

### Thinning & Mixing

Supplied in two-pack form, the two components should be mixed together thoroughly and allowed to stand for 15–20 minutes before application. To ease brushing and particularly for first coat work on porous timber, thin with 2-Pack Polyurethane Thinner. For spray application thin to spraying viscosity.

Due to the limited "pot life" of the mixed material, care should be taken to avoid mixing more material than can be used within the working day. Where less than 4 litres of material are required, the base and catalyst should be mixed strictly in accordance with the mixing ratios mentioned on the container.

### Drying Times

Surface dry: 2 hours.

Re-coatable: 14 hours.

Attains maximum hardness after approximately 7 days of application.

### Spreading Capacity

11-12 m<sup>2</sup>/l when applied to normal smooth surfaces.

### Colour

Clear.

### Chemical Resistance

Resistant to chemical fumes and splashes.

### Equipment Cleaner

Regal Two-Pack Polyurethane Thinners.

### Pack Sizes

4 litres (combined base and catalyst) and 1 litre.

### Availability

From Regal Depots and through selected Regal Stockists.

### Specifications

- **New and Bare Woodwork:** Prepare surface (refer surface preparation Data sheet SP 4). Apply 2 or 3 coats of Regal Two-pack Polyurethane Varnish. The first coat must be thinned up to 20% to ease brushing and to allow good penetration of the timber. Subsequent coats can be thinned as necessary. (Refer notes below).
- **Previously coated woodwork:** Remove all previous coatings using Regal Paint and Varnish Remover. On previously varnished floors the use of mechanical sanding equipment is recommended.

### Notes

1. When coating new and sanded parquet wood block floors, ensure that all surface dust and contamination is completely removed prior to coating. It is recommended that dust from the floor surface and between the timber joints should be removed a few minutes before coating using a cloth dipped in the two-pack thinners.
2. To obtain a smooth finish, each coat must be rubbed down with fine sandpaper, or preferably fine waterproof abrasive paper. Wipe clean before overcoating.
3. In order to obtain a smooth high gloss finish, the application of several thin coats is recommended. Do not apply too thickly and avoid over brushing.
4. Do not apply Regal two-pack polyurethane over floors that have been wax polished unless all trace of polish is removed using solvent following which the timber must be thoroughly sanded down. Failure to remove all polish will prevent the varnish from drying and a patchy appearance will result.

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## REGAL TWO - PACK POLYURETHANE VARNISH (CONT)

E4

5. Ensure the woodwork is completely dry as moisture will react with the varnish and produce a milky appearance and may cause bubbling and blistering. **Regal** two-pack polyurethane must not be applied to floors if there is a danger of rising damp (especially in old buildings which have no damp-proof course) or on timber laid on a floor screed, which still contains moisture, as the coating will prevent the floor from breathing and may cause the timber to lift.

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# REGAL TWO - PACK EPOXY VARNISH

E5

## Description & Uses

A high performance clear varnish supplied in two-pack form, suitable for INTERIOR use on new and bare parquet and timber floors, door panels and general woodwork. Recommended as a clear furniture finish for use by furniture manufacturers and in the home. Do not use for overcoating previously single pack varnished surfaces unless all varnish coatings have been removed.

## Characteristics

Manufactured from high quality epoxy resin medium in two-pack form with polyamide curing agent.

## Advantages

Hard-wearing, high gloss clear finish. Maintains natural beauty of the timber. Excellent chemical and abrasion resistance. Good flexibility.

## Finish

High gloss (can also be supplied in eggshell finish. However, when coating floors the high gloss is recommended due to its superior abrasion resistance).

## Application

Apply by brush or spray. For spray application masks should be worn.

## Thinning & Mixing

Supplied in two-pack form, the two components should be mixed together thoroughly and allowed to stand for 15-20 minutes before application. To ease brushing and particularly for first coat work on porous timber, thin with Regal Two-Pack Epoxy Thinners. For spray application thin to spraying viscosity. Due to the limited "pot life" of the mixed material, care should be taken to avoid mixing more material than can be used within the working day. Where less than 4 litres of material are required, the base and catalyst should be mixed strictly in accordance with the mixing ratios mentioned on the container.

## Drying Times

Surface dry: 2 hours

Re-coatable: 14 hours. Attains maximum hardness about 7 days after application.

## Spreading Capacity

11-12 m<sup>2</sup>/l when applied to smooth surfaces.

## Colour Range

Clear.

## Chemical Resistance

Resistant to chemicals and solvents.

## Equipment Cleaner

Crown Two-Pack Epoxy Thinners.

## Pack Sizes

4 litres (combined base and catalyst).

## Availability

From Regal Depots through Regal Stockists.

## Specifications

- **New and Bare woodwork:** Prepare surface (refer Data sheet SP 2). Apply 3 to 4 coats of Regal Two-pack Epoxy clear varnish. The 1st coat must be thinned up to 20% to ease brushing and to allow good penetration of the timber. Subsequent coats can be thinned as necessary. (Refer "Notes" below).
- **Previously Varnished:** Remove all previous coatings using Regal Paint and Varnish Remover. On previously varnished floors the use of mechanical sanding equipment is recommended. Apply 3 or 4 coats Regal Two-Pack Epoxy Varnish.

## Notes

1. Ensure the woodwork is completely dry as moisture will react with the Varnish and produce a milky appearance. Regal Epoxy Varnish should not be applied to floors if there is a danger of rising damp (especially in old buildings which have no damp-proof course) as this may cause the timber floor tiles to lift.
2. When coating new and sanded parquet wood block floors, ensure that all surface dust and contamination is completely removed prior to coating. It is recommended that dust from the floor surface and between the timber joints should be removed a few minutes before coating using a brush and then a cloth dipped in the Epoxy Varnish.
3. To obtain a smooth finish, each coat must be rubbed down with fine sandpaper, preferably using fine waterproof abrasive paper. Wipe clean before overcoating.
4. In order to obtain a smooth, high-gloss finish, the application of several thin coats is recommended. Do not apply too thickly and avoid over brushing.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

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# REGAL OIL VARNISH STAINS

E7

## Description & Uses

A hardwearing oil varnish stain, producing a gloss finish suitable for new and previously varnished timber surfaces. Available in six shades. Regal Varnish Stain is particularly suitable for use by furniture manufacturers and for general decorative use on all types of untreated timber.

## Characteristics

Manufactured from a high quality alkyd resin and light-fast oil-stainers.

## Advantages

Economical, Easy to apply and hardwearing gloss finish.

## Finish

Gloss.

## Application

By brush or spray.

## Thinning

Supplied ready for use but may be thinned with a little Regal White Spirit for 1st coat work, on bare timber, or for spray application. Stir well before use.

## Drying Times

Surface dry: 4 hours.

Re-coatable: 14 hours.

## Spreading Capacity

13-15 m<sup>2</sup>/l when applied on smooth non-porous surfaces.

## Equipment Cleaner

Regal White Spirit.

## Colour Range

Available in Natural Oak, Light Oak, Medium Oak, Dark Oak, Walnut, and Mahogany.

## Pack Sizes

½ litre, 1 litre, 4 litres and 20 litres

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- **New and bare woodwork and furniture:** Prepare surface (refer surface preparation data sheet SP 2). Apply 3 coats Regal Varnish Stain.
- **Previously varnished woodwork – sound condition:** Prepare surface. Apply 2 coats Regal Varnish Stain.
- **Previously varnished surfaces – unsound:** Thoroughly remove all varnish coatings down to bare timber if necessary using Regal Paint and Varnish Remover and/or mechanical sanding equipment. Prepare surface. Apply 3 coats Regal Varnish Stain.

## Notes

1. Do not apply Regal Varnish Stain over surfaces that have been wax polished unless all traces of polish have been removed and the surface sanded thoroughly.
2. The shade effect obtainable with Regal Varnish Stain will vary greatly depending upon the type and colour of the timber being coated.
3. It will not be possible to produce a light effect (i.e. Natural Oak or Light Oak) on a naturally dark timber or a timber, which has previously been stained with dark shade.
4. For best results, rub down with waterproof abrasive paper (wet and dry) or fine sandpaper between coats to remove any film surface defects and wipe clean.

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## REGAL SANDING SEALER

E8

### Description & Uses

A single pack, quick drying clear sealer with good sanding properties but limited chemical and abrasion resistance especially designed to satisfy the porosity of new and bare wood prior to finishing.

### Characteristics

Manufactured from a resin modified Nitrocellulose.

### Advantages

Fast drying which allows more coats to be applied in a shorter period of time and thus speeds up completion of the job. Easy to apply.

### Finish

Matt.

### Application

By brush or spray.

### Thinning

Supplied ready for use for brush application. Thin up to 50% with Regal Standard Thinner for spray application. Stir well before use.

### Drying Times

Surface dry: 10 minutes.

Sandable: 30 minutes.

Recoatable: 1 hour.

### Spreading Capacity

4-8 m<sup>2</sup>/l dependent on wood porosity.

### Equipment Cleaner

Regal Standard Thinner.

### Colour Range

Slightly milky Clear.

### Pack Sizes

½ litre, 1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New and bare woodwork and furniture:** The wooden surface must be sanded smooth using 150 grit sandpaper and finishing off with 320 grit sandpaper. Dust off thoroughly and wipe with a dry cotton cloth. Apply 1 coat Regal Sanding Sealer.

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# F Specialized Finishes: Decorative

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# REGAL VARIATIONS MICALITE TROWEL APPLIED TEXTURED FINISH

**F1/1**

## Description & Uses

Regal Variations is a range of textured exterior finishes offering the best modern technology and long term decorative appearance and protection. They replace the need for stone, granite or cladding thereby reducing costs by over 50% but enhancing the aesthetic condition of the building.

## Characteristics

Micalite is impregnated with glass and mica. It offers sophisticated decoration appeal adding that touch of class to commercial buildings. Ideal for high rise buildings for that unique look to add prestige. Micalite is a two coat system consisting of one coat primer of the same colour and one coat of texture.

## Advantages

Excellent adhesion, water resistant, washable, abrasion resistant, high tensile and impact strength, resistant to algae and fungi, non-combustible and resistant to acid and fading. Virtually maintenance-free.

## Finish

Textured.

## Application

By trowel.

## Film Thickness

1 to 1.5 mm.

## Colour Range

Wide range available upon request.

## Drying Times

Surface dry: 4 hours.

Re-coatable: after 24 hours.

Hard dry 7 days.

## Standard Coverage

Approximately 10-12 m<sup>2</sup> per 25kg but varies with texture and surface condition.

## Equipment Cleaner

Water.

## Packing

25kg bag of powder + 5 litres bonding agent.

## Mixing Procedure

- Pour 5 litres of Bonding Agent in a clean plastic container.
- Add 5 litres of clean water to the Bonding Agent.
- Pour 25kg dry coloured sand into the tub.
- Mix contents thoroughly and leave for 15 minutes for optimum performance.
- For best performance, apply 1 coat of primer and 1 coat of texture.
- Apply 1st coat, a priming coat on the surface of the same colour.
- Apply 2nd coat after 24 hours as per required texture density with a stainless steel trowel.
- Regal Variations: Once applied, no further decoration is envisaged during the lifetime of the building.

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## REGAL VARIATIONS STONE FINISH SPRAY APPLIED TEXTURED FINISH

F1/2

### Description & Uses

Regal Variations are a range of textured exterior finishes offering the best modern technology and long term decorative appearance and protection. They replace the need for stone, granite or cladding thereby reducing costs by over 50% but enhancing the aesthetic condition of the building.

### Characteristics

Stone Finish will create a granite finish at 40% of the cost.

### Advantages

Excellent adhesion, water resistant, washable, abrasion resistant, high tensile and impact strength, resistant to algae and fungi, non-combustible and resistant to acid and fading. Virtually maintenance-free.

### Finish

Textured.

### Application

By spray.

### Film Thickness

1.5 to 2 mm.

### Colour Range

Multicolour.

### Drying Times

Surface dry: 4 hours

Re-coatable: after 24 hours

Hard dry 7 days.

### Standard coverage

6-6½ m<sup>2</sup> per 25kg but varies with texture and surface condition.

### Equipment cleaner

Water.

### Packing

25kg bag of powder + 5 litres bonding agent.

### Mixing Procedure

- Pour 5 litres of Bonding Agent in a clean plastic container.
- Add 5 litres of clean water to the Bonding Agent.
- Pour 25kg dry coloured sand into the tub.
- Mix contents thoroughly and leave for 15 minutes for optimum performance.
- For best performance, apply 1 coat of texture like primer and 1 coat of finishing texture.
- Apply 2nd coat after 24 hours as per required texture density with a special spray gun.

### Regal Variations

Once applied, no further decoration is envisaged during the lifetime of the building.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

## REGAL VARIATIONS OPUS FINISH SPRAY APPLIED TEXTURED FINISH

**F1/3**

### Description & Uses

Regal Variations are a range of textured exterior finishes offering the best modern technology and long term decorative appearance and protection. They replace the need for stone, granite or cladding thereby reducing costs by over 50% but enhancing the aesthetic condition of the building.

### Characteristics

Opus Finish will create that unique, distinct bubble like finish.

### Advantages

Excellent adhesion, water resistant, washable, abrasion resistant, high tensile and impact strength, resistant to algae and fungi, non-combustible and resistant to acid and fading. Virtually maintenance-free.

### Finish

Textured.

### Application

By spray.

### Film Thickness

1.5 to 2 mm.

### Colour Range

Multicolour.

### Drying Times

Surface dry: 4 hours.

Re-coatable: after 24 hours.

Hard dry 7 days.

### Standard Coverage

6-6½ m<sup>2</sup> per 25kg but varies with texture and surface condition.

### Equipment Cleaner

Water.

### Packing

25kg bag of powder + 5 litres bonding agent.

### Mixing Procedure

- Pour 5 litres of Bonding Agent in a clean plastic container.
- Add 5 litres of clean water to the Bonding Agent.
- Pour 25kg dry coloured sand into the tub.
- Mix contents thoroughly and leave for 15 minutes for optimum performance.
- For best performance, apply 1 coat of primer of same colour and 1 coat finishing texture.
- Apply 2nd coat after 24 hours as per required texture density with a special spray gun.
- Use a stainless steel trowel to compact the bubbles to produce the special effect.

### Regal Variations

Once applied, no further decoration is envisaged during the lifetime of the building.

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## REGAL VARIATIONS NATURAL STONE TROWEL APPLIED TEXTURED FINISH

F1/4

### Description & Uses

Regal Variations are a range of textured exterior finishes offering the best modern technology and long term decorative appearance and protection. They replace the need for stone, granite or cladding thereby reducing costs by over 50% but enhancing the aesthetic condition of the building.

### Characteristics

Natural Stone finish will create a natural stone-like finish.

### Advantages

Excellent adhesion, water resistant, washable, abrasion resistant, high tensile and impact strength, resistant to algae and fungi, non-combustible and resistant to acid and fading. Virtually maintenance-free.

### Finish

Textured.

### Application

By trowel.

### Film Thickness

2 to 2.5 mm.

### Colour Range

Multicolour.

### Drying Times

Surface dry: 4 hours.

Re-coatable: after 24 hours.

Hard dry 7 days.

### Standard Coverage

6-6½ m<sup>2</sup> per 25kg but varies with texture and surface condition.

### Equipment Cleaner

Water.

### Packing

25kg bag of powder + 5 litres bonding agent.

### Mixing Procedure

- Pour 5 litres of Bonding Agent in a clean plastic container.
- Add 5 litres of clean water to the Bonding Agent.
- Pour 25kg dry coloured sand into the tub.
- Mix contents thoroughly and leave for 15 minutes for optimum performance.
- For best performance, apply 1 coat of primer and 1 coat of finishing texture of required stone pattern.
- Apply 1st coat, a priming coat on the surface of the same textured material with a stainless steel trowel.
- Apply 2nd coat after 24 hours as per required texture density with a stainless steel trowel.

### Crown Variations

Once applied, no further decoration is envisaged during the lifetime of the building.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

# REGAL RUFF N TUFF EXTERIOR FINISH

**F2**

## Description & Uses

Ruff N' Tuff is an Acrylic Emulsion formulated to provide multi directional Textures on any cementitious surface. It incorporates mould resistant biocides, for long protectional life and can be applied onto Plaster, Cement Rendering, Block Work, Cement, Stone, Bag-Washed and Fair Faced Concrete. It may also be applied to Timber, Glass and Aluminium.

## Characteristics

Based on Pure Acrylic Emulsion with Mould Resistant Biocides. Semi Thixotropic i.e. of Creamy Consistency.

## Advantages

Creation of Designer Texture and Designs. Multi Surface application. Breathes Out Trapped Moisture. Contains High Level of Biocides to Resist Mould and Fungus attack. Resists Efflorescence. Graffiti Resistant. Water Resistant. Interior or Exterior Usage. Bridges Hair-Line Cracks. Hides Surface Imperfections. Rapid Drying. Water Based. Provides Water – Proof finish. Long term Total Protection.

## Finish

Matt – High Build Textured finish.

## Application

Regal provides a SUPPLY & APPLY service for this product. Contact our marketing department for more details. Ruff N; Tuff should be applied with a Stainless Steel Trowel, for finishing use a special plastic Trowel or comb to create the Final Design Textured e.g. Horizontal, Vertical, Circular etc.

## Thinning

Ruff N' Tuff is supplied ready for use. Under NO circumstances should the Product be thinned.

## Drying times

Surface Dry: 4 hours.  
Hard Dry: 24 hours.  
Max. Hardness: 7 Days

## Equipment Cleaner

Water.

## Spreading Capacity

Dependent on the Thickness required by Architect or Client, the rates are:-

10-11 sq. metres per 30kg @ Film Thickness 1 – 1.5 mm.

8- 8.5 sq. metres per 30kg@ Film Thickness 1.5 – 2.5 mm.

## Colour Range

Ruff N' Tuff is supplied in White and can then be overcoated to the Shade or Shades of choice with Regal Ruff n' Safi.

## Pack Sizes

5kg and 30kg packs.

## Specifications

- **New Work:** Ensure surface is clean, dry and clear of all contaminations. Apply 1 coat of Ruff N' Tuff using a Stainless Steel Trowel.
- **Previously painted in sound condition:** Clean and prepare surface – Apply using Stainless Trowel. Do not over paint previously Gloss Painted Surfaces.

## Loosely bound or flaking paint

- 1) Wire brush and scrape to remove all possible loose, Chalking and Flaking material.
- 2) Apply by brush coat Regal +3 Masonry Primer or regal penetrating primer
- 3) Allow overnight to dry.
- 4) Apply Ruff N' Tuff finish using Stainless Steel Trowel.

NB: Should any doubts exist over Application consult with Regal Technical or Marketing Department.

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# REGAL ROCK-FAST HIGH BUILD TEXTURED COATING F4

## Description & Uses

Rock-Fast is a tough, high-build, textured coating incorporating a mould resistant fungicide, and designed for the long-term exterior protection of commercial and domestic buildings.

Rock-Fast can be applied to new and previously painted plaster, cement rendering, block work, concrete, stone, bag-washed surfaces and fair-faced concrete. Rock-Fast, can also be applied to asbestos and timber surfaces including chip-board, blockboard, plywood etc. On internal walls and ceilings, Rock-Fast produces an attractive and fashionable tough coating.

## Characteristics

Based on a tough co-polymer emulsion and high quality pigments, Rockfast incorporates a variety of rock aggregates and a mould resistant fungicide. Thixotropic consistency.

## Advantages

Unique formulation, provides maximum long term durability in the most severe tropical and coastal climates. Attractive, high-build textured finish which will disguise wall surface imperfections and patchiness (variation in substrate texture and porosity) often found on cement rendered walls that cannot be disguised by normal decorative paints.

## Finish

Matt, high-build, heavy textured finish.

## Application/Texturing

Rockfast should be applied with a large (short bristled) brush and spread evenly over an area not exceeding one square metre. Once the area has been coated the surface should be laid off horizontally with the brush and immediately textured (within 5-10 minutes of initial application) with a special Rockfast roller. Texturing should be performed horizontally/vertically with minimal pressure. Over rolling should be avoided.

## Thinning & Mixing

Rockfast is supplied ready for use and **UNDER NO CIRCUMSTANCES SHOULD THE PRODUCT BE THINNED**

## Drying Times

Surface dry: 2-4 hours

Hard dry: 24 hours in normal dry conditions.

Attains maximum toughness after several days.

## Spreading Capacity

Rock-fast should be applied in high-build form at the rate of approximately one kilo per square metre.

On smooth, steel-float plaster or on fair-faced concrete approximately 1–1.1 kg of Rock-fast should cover one square metre, on a normal wood float/cement rendered surface approximately 1.1–1.3 kg of Rock-fast should cover 1 square metre. Coverage will be reduced when applying Rock-fast to rough textured surfaces.

## Equipment Cleaner

Water.

## Colour range

Rockfast is supplied in a range of attractive colours plus White.

## Pack Sizes

25 kg and 5 kg.

## Availability

From Regal Depots and through Regal Stockists.

## Specifications:

- **New Work:** Prepare surface (refer surface Data Sheet SP 1). Apply 1 coat Rock-fast.
- **Previously Painted Surfaces in Sound Condition:** Prepare surface (do not apply Rock-fast over previously gloss painted surfaces). Apply 1 coat Rock-fast.
- **Loosely Bound Surfaces:** Prepare surface (refer surface Data Sheet SP 2). Apply 1 coat Regal Penetrating Primer. Apply 1 coat Regal Rockfast.

## Note

- The application of Rock-fast over surfaces previously decorated with cement paint or lime wash is not recommended. Never apply Rock-fast over powdery, chalky, and flaking paint without thorough preparation and priming.

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## REGAL STRONGHOLD FINE TEXTURED EMULSION F5

### Description & Uses

An exterior paint specially formulated to provide exceptional weather-resistance to masonry on public buildings, hotels, private houses etc. Stronghold is reinforced with fine rock aggregate to increase long term durability. Recommended for coastal exposure work.

### Composition

Tough copolymer emulsion, reinforced with rock aggregate and a fungicide to resist mould.

### Advantages

Excellent long term durability. The rock aggregate produces a fine textured, matt finish which masks surface irregularities. Easy to apply. Quick drying.

### Finish

Matt with a fine texture.

### Application

By brush or roller.

### Thinning

When applying to new, porous or textured surfaces, Stronghold can be thinned with a little clean water to ease application. Avoid overthinning. Stir well before use

### Drying Times

Recoatable in 4 hours.

### Spreading Capacity

Smooth (steelfloat) walls – approximately 6-7 m<sup>2</sup>/l. Cement rendered (wood-float) walls - 4-6 m<sup>2</sup>/l

### Equipment Cleaner

Water.

### Colour Range

Available in a range of colours selected from the BS 4800 shade range and Regal house colours. The majority of BS 4800 colours can be supplied, on request, for use on new building projects.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

## REGAL DUO - TONE FINISH

F6

### Description & Uses

Extremely tough and attractive 2 or 3 colour silk finish for use in commercial, domestic and industrial buildings. Particularly suitable in bathrooms, kitchens, cloakrooms, staircases, corridors, entrance halls and lift lobbies, banking halls, office partitioning and walls etc.

Particularly recommended for interior use in hospitals, clinics, laboratories, food factories, bottling Plants, hotel reception areas and high traffic areas where regular cleaning is necessary and an attractive, durable finish is desirable.

Can be applied over suitably prepared plaster, wood, metal, asbestos etc, and on previously painted, sound surfaces.

### Characteristics

A unique formulation incorporating modified rubberized resin and finest quality selected pigments.

### Advantages

Attractive appearance. Flexible, abrasion resistant finish. Good heat and chemical resistance. Impermeable to moisture. Easily cleaned and can be scrubbed repeatedly without damage. Alkali-Resistant, suitable for use on new (dry) plastered surfaces.

### Finish

Semi-Matt, Silk Finish.

### Application

Must be applied with single-jet spray equipment only by experienced applicators at strictly controlled pressure.

### Thinning

Must not be thinned.

### Drying Times

**Dries:** in 1-2 hours.

Attains a maximum hardness after 2-3 days.

### Spreading Capacity

Duo-Tone is applied "wet on wet" creating a several coats, high build finish, and a very low spreading capacity. The spreading capacity will vary depending on the colours in use, the surface being coated and the applicators technique. Equipment should be cleaned immediately after use with Regal White Spirit.

### Colour Range

Duo-Tone is available in a wide variety of colour combinations based on selected background colours and contrasting colours chosen from the BS 4800 shade range.

### Pack Sizes

1 litre and 4 litre tins.

### Availability

Only specialists, approved spray subcontractors apply Duo-Tone. Consult Regal for full details.

### Specifications

- Prepare surface (refer surface preparation Data Sheet for plaster SP 3 or other surfaces where appropriate). Apply a minimum of 1 coat of appropriate primer by brush. Duo-Tone to be spray applied by specialist, experienced spray applicator.

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# REGAL METALLICA

F7

## Description & Uses

Regal Metallica is a water based special effect range provided in 10 optional effects which add visual depth and dimension to your home in an easy and inexpensive manner. Metallica is based on a base coat, with the finish being provided by a metallic top coat. The top coat retains the pattern left by the tool that created it at the same time providing greater workable time to create the effects. Special effect tools used to create these effects are available with the dealers.

## Characteristics

- Lustrous look with opulent texture
- Imaginative designs
- 10 different patterns
- Available in Gold, Silver and Copper colours

## Advantages

Water based. Low VOC. Low odour. Washable. Quick drying.

## Finish

Smooth.

## Colour Range

Basecoat: 32 shades in Gold, Silver and Copper colours.

## Topcoat

Prominent 99 colours from Ambiance.

## Spreading Capacity

Basecoat: 12-16 m<sup>2</sup>/ l /coat on smooth surface (depending on surface porosity).

## Topcoat

Depends on type of application; it is generally about 55 –140 ml/m<sup>2</sup> (7 –18 m<sup>2</sup>/ l).

## Application

Only specified base coat of Regal Silk Emulsion should be used. No other matt paints to be used as they may be too absorbent impairing the production of the desired effect. Wet the wall lightly with water before application of top coat with a flat sponge to take care of surface absorption and to have ease of application. Working in pairs produces best results, while one person applies Regal Metallica and the other person creates the special effect. Leave wet edges as a margin of un-worked paint at the end of each section to allow blending with the next section of paint. If the leading edge dries, you will have a lap mark. It is important

to stand back and look at the wall every now and then to make sure that a uniform effect has been achieved.

## Thinning

Supplied ready for use but may be thinned up to 5% with clean water if required. Avoid overthinning.

## Drying Times

Base: Dust free: 30 min-1 hour depending on temperature. Hard dry: 4 hours.

## Topcoat

Starts to dry in about 10 minutes so working with speed is of outmost importance.

## Equipment Cleaner

Clean equipment with clean water.

## Pack Sizes

1litre and 4 litre (Basecoat) and ½ litre and 1 litre (Topcoat).

## Surface Preparation

- **New smooth surfaces:** Apply 1 coat Regal Acrylic Primer/ Sealer Undercoat followed 1 coat Regal Silk Emulsion Basecoat then topcoat.
- **New, rough porous surfaces:** Apply 1 coat Regal Acrylic Primer/ Sealer Undercoat followed by a thin coat of Regal Wallfiller. Then apply a second coat of Regal Acrylic Primer/ Sealer Undercoat followed by 1 coat Regal Silk Emulsion Basecoat, then topcoat.
- **Surfaces Previously Painted in Water based Paint:** Ensure the surface is clean and free of powdery or flaking material. If surface is still suspect, apply 1 coat of Regal Penetrating Primer and allow to dry overnight. Then apply 1 coat Regal Silk Emulsion Basecoat followed by
- **Previously Gloss Painted Surfaces:** Ensure that the gloss finish is thoroughly rubbed down to provide a key. Apply 1 coat of Regal Undercoat followed by 1 coat Regal Silk Emulsion Basecoat and then topcoat.
- **Loosely bound & lime-washed, cement painted, distempered surfaces:** Remove all loose and flaking material down to a firm base, where necessary removing all previous coatings down to the original building fabric (refer Surface Preparation Data Sheet SP 1). Apply 1 coat Regal Penetrating Primer. Apply 1 coat Regal Silk Emulsion Basecoat followed by topcoat.

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# REGAL SPARKLING TEXTURE FINISH

# F8

## Description & Uses

Regal Sparkling Texture Finish is a high build 2 coat acrylic texture coating system (1 coat Primer plus 1 coat Sparkling Texture Finish). It is supplied ready to use and is trowel applied. Regal Sparkling Texture Finish is used to decorate, restore and protect new and previously painted interior and exterior surfaces such as plaster, concrete, wood, etc.

## Characteristics

- Sparkling high build finish
- Water based, washable and water permeable
- Excellent adhesion
- Water, acid, algae and fungi resistance

## Advantages

Water permeable – allows building to breathe. High film build – allows minimum surface preparation and hides surface imperfections. Water proof finish – offers long term protection. Ready mixed – easy to apply and no mixing required. Multiple uses – plaster, concrete, wood, asbestos etc. Interior and Exterior use.

## Finish

Sparkling finish.

## Colour Range

12 colours as per shade card.

## Spreading Capacity

10-12½ m<sup>2</sup> per 25kg bucket (0.4-0.5 m<sup>2</sup>/kg) depending on surface texture.

## Film Thickness

1–1.5 mm

## Application

We recommend that the application be carried out only by a skilled applicator who is conversant with the product. Mix Sparkling Texture thoroughly before use. Apply primer and allow to dry, then apply the material using a stainless steel trowel to spread the material evenly, making sure the film thickness is within the prescribed range in order to ensure maximum product performance. Do not thin. Clean equipment with clean water

## Precautions

Ensure that batch numbers on tins match in order to avoid colour variation. Blend different batches before painting.

## Drying Times

Surface Dry: 4hr.

Hard dry: 7 days.

## Equipment Cleaner

Clean equipment with clean water.

## Pack Sizes

25kg plastic bucket.

## Surface Preparation

Surface preparation is the responsibility of the applicator. Surface must be free from dirt, dust, grease, oil, mould release agents, bond breakers and any other contaminants. New plaster should be left to dry for 15 days before coating.

- **New surfaces:** Apply 1 coat Regal Acrylic Primer/ Sealer Undercoat or Plus 3 Masonary Primer and allow overnight drying followed 1 coat Regal Sparkling Texture
- **Surfaces Previously Painted in Water based Paint:** Ensure the surface is clean and free of powdery or flaking material. If surface is still suspect, apply 1 coat of Regal Penetrating Primer and allow to dry overnight. Then apply 1 coat Regal Sparkling Texture Finish.
- **Previously Gloss Painted Surfaces:** Ensure that the gloss finish is thoroughly rubbed down to provide a key. Apply 1 coat of Regal Undercoat and allow to dry overnight followed by 1 coat Regal Sparkling Texture Finish.
- **Loosely bound & lime-washed, cement painted, distempered surfaces:** Remove all loose and flaking material down to a firm base, where necessary removing all previous coatings down to the original building fabric. Apply 1 coat Regal Penetrating Primer and allow to dry overnight. Apply 1 coat Regal Sparkling Texture Finish.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

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# G Specialized Finishes: Decorative

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## REGAL SCHOOL BOARD PAINT

G2

### Description & Uses

Designed for use on school boards and wrought ironwork but may be used on a variety of other surfaces where a dense matt black finish is required.

### Characteristics

High quality pigments ground in an alkyd medium.

### Advantages

Excellent covering capacity. Provides a good "grip" for chalk. Attractive matt finish.

### Finish

Matt.

### Application

By brush, roller or spray.

### Thinning

Where necessary and for spray application thin with Regal White Spirit. Stir well before use.

### Drying Times

Re-coatable in 16 hours.

### Spreading Capacity

13-15 m<sup>2</sup>/l when applied to smooth, non-porous surfaces.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Black and Green.

### Pack Sizes

½ litre, 1 litre, 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New Metal Surfaces:** Prepare surface (refer Data Sheet SP 3). Apply 1 coat appropriate metal primer. Apply 2 coats Regal School board Paint.
- **New Wood Surfaces:** Prepare surface (refer Data Sheet SP 4). Apply 1 coat Regal Wood Primer. Apply 2 coats Regal Schoolboard Paint.
- **Previously Painted Surfaces:** Wash the school board surface with detergent solution, wipe clean and allow to dry. Lightly abrade. Apply 2 coats Regal Schoolboard Paint.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

## REGAL SQUASH COURT PAINT

G3

### Description & Uses

A high quality and extremely hardwearing oil based finish especially designed for use on squash courts. Regal Squash paint has a satin finish designed to restrict glare and is suitable for application on all playing surfaces.

Unlike the emulsion paints and Chlorinated Rubber paint, which are highly thermo plastic and tend to hold the ball, thereby slowing the game, Regal Squash Court paint conforms to the requirements of the British Squash Rackets Association.

### Characteristics

A high quality oil paint based on a special alkyd resin medium and superior pigments.

### Advantages

A durable smooth, satin finish. Resists dirt and is easily cleaned. Does not affect ball bounce.

### Finish

Low sheen.

### Application

By roller, spray or brush.

### Thinning

If necessary thin with a little Regal White Spirit to ease application. Thin to the required viscosity for spray application. Stir well before use.

### Drying Times

Re-coatable in 16 hours.

### Spreading Capacity

12-14 m<sup>2</sup>/l. 9-10 litres of paint should be sufficient to cover the playing surface, measuring approx. 120 square metres.

### Equipment Cleaner

Regal White Spirit.

### Colour range

Off-white.

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- Regal Squash Court Paint must not be applied to a new/damp wall surface which has not been allowed to fully cure (refer Technical Data Sheet No. SP5 for full details).
- When painting the "tin" the appropriate primer should first be applied to new or bare surfaces. If made of galvanized iron one of the following special primers should be used to prevent flaking of the paint finish: -
  - a) Regal Etch Primer - recommended
  - b) Regal Zinc Phosphate Primer - alternative

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# REGAL ACRYLIC TENNIS COURT PAINT

G4

## Description & Uses

Designed especially for use on concrete floor screeds on areas to be used for tennis and badminton courts, basketball, gymnastics etc.

## Characteristics

Manufactured from a high quality copolymer emulsion incorporating carefully selected pigments.

## Advantages

Can be applied to new (dry) screeds. Creates desired colour effect. Matt finish provides good foot grip. For interior and exterior use.

## Finish

Matt.

## Application

Brush application is recommended. Brush the first coat well into the surface to guarantee good adhesion.

## Thinning

The 1st coat should be thinned with clean water to ease brushing and to aid penetration into the floor screeds. Subsequent coats can be thinned if necessary with a little clean water. Avoid overthinning. Stir well before use.

## Drying Times

Re-coatable in 4 hours.

## Spreading Capacity

When applied on good wood float floor screeds Regal Tennis Court Paint will cover 8-10 m<sup>2</sup>/l. When applied to a Tarmacadam surface the spreading capacity will be considerably reduced - approximately 5 m<sup>2</sup>/l.

## Equipment Cleaner

Water.

## Colour Range

Supplied in special Tennis Court Green for the playing surface. Also available in Copper for use on concrete areas surrounding the playing area. Line markings can be painted in Regal Road Marking Paint.

## Pack Sizes

4 litres and 20 litres.

## Availability

From Regal Depots and through Regal Stockists.

## Specification

- **New Concrete Screeds:** Ensure the floor screed is reasonably dry - do not apply to wet floor screeds. Prepare surface (refer surface preparation Data Sheet SP 1). Apply 3 coats Regal Tennis Court Paint ensuring that the 1st coat is thinned with clean water and brushed well into the surface.
- **New Tarmacadam Surface:** Allow the new court to weather for at least six weeks before painting. Dry brush all dirt from the surface and remove any loose chippings. Ensure the surface is perfectly dry and oil and dirt free at the time of painting. Apply 2 thin coats of Regal Tennis Court Paint. Brush well into the surface.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

# REGAL CHLORINATED RUBBER PAINT

G5

## Description & Uses

A hardwearing, chemical resistant finish for use in laboratories, chemical factories, breweries, dairies, food factories and bottling plants, hospitals, clinics etc. Can be applied to plastered and cement rendered walls in addition to metal and timber surfaces. Recommended for coating the walls of properly constructed (dry) concrete swimming pools.

## Composition

High quality pigments ground and Chlorinated Rubber medium.

## Advantage

Non-toxic, chemical resistant, extremely durable and scrubable. Resistant to chemical fumes and splashes, acids, alkalis.

## Finish

Gloss.

## Application

By brush or conventional spray equipment.

## Thinning

Due to its fast drying characteristics, Regal Chlorinated Rubber Paint requires to be thinned with special Chlorinated Rubber Thinners to ease brushing, especially when coating large surfaces. Thin to required viscosity for spray application. Stir well before use.

## Drying Times

**Surface dry:** 1-2 hours. Through dry: 6-10 hours

**Recoat:** 12-16 hours in normal, ventilated conditions.

## Spreading Capacity

6-11 m<sup>2</sup>/l dependent upon texture and porosity of the surface.

## Equipment Cleaner

Regal Chlorinated Rubber Thinners.

## Colour Range

Available in selected pastel shades (see shade card for Regal Specialized Paint Systems).

## Pack Sizes

1 litre, 4 litres and 20 litres.

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- **Metal Work, Iron and Steel:** Prepare surface (refer SP 3). Apply 1 coat of either:
  - (a) Regal Chlorinated Rubber Zinc Chromate Primer.
  - (b) Regal Chlorinated Rubber Zinc Phosphate Primer.Apply minimum 2 coats Regal Chlorinated Rubber Paint.
- **New Galvanized Iron, aluminium, Copper, Brass:** Prepare surface (refer Data Sheet SP3). Etch unweathered surfaces with Mordant Solution/Passivating wash. Apply minimum 2 coats Chlorinated Rubber Paint.
- **New Walls - Plaster, Cement rendering, Masonry, Brick Work Etc:** Prepare surface (refer Data Sheet SP 1). Apply 1 coat Regal Chlorinated Rubber Alkali-Resisting Primer. Apply minimum 2 coats Regal Chlorinated Rubber Paint.
- **Unpainted Timber:** Prepare surface (refer Data Sheet SP 2). Apply 1 coat Regal Zinc Chromate Chlorinated Rubber Primer. Apply minimum 2 coats Regal Chlorinated Rubber Paint.

## Note

1. When coating the inside of drinking water tanks, fish tanks etc, allow the paint to fully harden, then flush out thoroughly with clean water before use.
2. When coating large surfaces such as swimming pools, avoid painting in direct sunlight when practical.
3. Decorated swimming pools should be allowed to cure for 7 days in dry conditions before filling.
4. Poor resistance to solvents and animal fats.

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## REGAL TWO PACK EPOXY ENAMEL

G6

### Product Description & Uses

A high performance coating supplied in two-pack form offering maximum resistance against abrasion, chemical attack and water penetration. Recommended for INTERIOR use on prepared metal (primed), wood and plaster/concrete surfaces in chemical plants, laboratories, hospitals, dairies, breweries, food factories, bottling plants etc, and for general use in high traffic areas in public buildings. An ideal industrial finish for coating wooden and metal furniture, machinery and other manufactured items.

Do not apply over surfaces previously painted with oil paints i.e. gloss, eggshell etc.

The Two-Pack Enamel, which is mixed shortly before use with the catalyst/hardener, does not attain maximum hardness and chemical resistance until 3 -4 days after application (at a temperature of 22°C).

### Characteristics

Manufactured from high quality pigments finely ground in a combination of epoxy resins. Poor exterior durability – tends to chalk badly on exposure.

### Advantages

High gloss, abrasion, chemical and solvent resistant finish. Resistant to mild acids, alkalis and water.

### Finish

High Gloss.

### Application

By brush, roller or spray. (When applying by spray facemasks must be worn).

### Thinning & Mixing

The two components (base and catalyst) must be mixed together to produce 4 litres of material - alternatively smaller quantities can be mixed strictly in accordance with the mixing ratios indicated on the container (the mixing ratios vary slightly depending on the colour in use).

Stir well and allow to stand for 15-20 minutes before use. Ensure that only sufficient material to use in one working day is mixed, as the pot-life of the combined mixture is limited to approximately 12 hours.

The mixed material will require to be thinned with Regal Two Pack Epoxy Thinners for spray application and for first coat work on porous surfaces, particularly on concrete and plaster.

### Drying Times

Surface dry: 2-3 hours

Hard dry/re-coatable: in 16 hours.

Do not leave longer than 96 hours between coats to avoid adhesion problems. Film attains maximum resistance and hardness after approximately 4 -5 days.

### Spreading Capacity

10-11 m<sup>2</sup>/l when applied to smooth, non-porous surfaces.

### Equipment Cleaner

Regal Two-Pack Epoxy Thinners.

### Colour range

White (ex-stock). Other shades, chosen from the BS 4800 colour card, supplied on demand.

### Pack Sizes

4 litres (base and catalyst combined)

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **Iron and Steel work:** Prepare surface (refer Data Sheet SP 3). Apply 1 coat Regal Epoxy Cold Cured Red Oxide/Zinc Chromate Primer (Two-Pack). Apply 2-3 coats Regal Two-Pack Epoxy Enamel.
- **Galvanized, Zinc Coated Steel or alloys:** Prepare surface (refer Data Sheet SP 3). Apply 1 coat Regal Etch Primer. Apply 2-3 coats Regal Two-Pack Epoxy Enamel.
- **New (dry) & unpainted Plaster, Brick, Stone Etc, and Timber Surfaces:** Prepare surface (refer appropriate surface Preparation Data Sheet). Apply 3 coats Regal Two-Pack Epoxy Enamel. The first coat should be thinned with Regal Two-Pack Epoxy Thinners.
- **Previously painted surfaces (in sound condition):** Due to the risk of solvent reaction, the recoating of previously painted surfaces, particularly oil paint systems such as gloss or eggshell enamel, with an epoxy enamel, is not recommended.

However, Regal Epoxy Enamel can be used to overcoat similar products subject to thorough abrasion/sandpapering of the surface to obtain a key. Poor surface preparation will result in poor inter-coat adhesive and subsequent flaking.

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# H Specialized Finishes: Metallic Aluminium - Bituminous

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## REGAL ALUMINIUM (LEAFING) PAINT

H1

### Description & Uses

Designed for exterior and interior use on iron and steelwork. Provides good resistance to heat, damp conditions and salt water. Regal Aluminium Paint possesses excellent heat reflecting properties and will considerably reduce evaporation losses when used on storage tanks. In tropical climates, corrugated iron and metal roofs on houses, factories, stores, etc, can be coated with Regal Aluminium Paint to reduce interior temperature.

### Characteristics

Leaf Aluminium pigment in a special synthetic medium.

### Advantages

Good heat resistance. Excellent protective, obliterating and spreading powers. Easy to apply.

### Finish

Metallic lustre.

### Application

Brush or spray.

### Thinning

Supplied ready for use for brush application on normal surfaces. For spray application thin with Regal White Spirit. Stir well before use.

### Drying Times

Recoat in 16 hours.

### Spreading Capacity

15-18 m<sup>2</sup>/l when applied on a smooth, non-porous surface.

### Heat resistance

Up to 150°C.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Silver.

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New Surfaces i.e. Steelwork, Galvanized Iron:** Prepare surface (refer appropriate surface preparation Data Sheet). Apply 1 coat (appropriate) primer. Apply 2 coats of Regal Aluminium Paint.
- **Previously Painted Surfaces:** Prepare surface (refer appropriate surface preparation Data Sheet). Patch prime bare surfaces only with the appropriate primer. Apply 1-2 coats Regal Aluminium Paint.
- **Hot Metal Surfaces 150°C:** Prepare surface (refer Data Sheet SP 3). Apply 2-3 coats Regal Aluminium Paint (omitting primer).

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## REGAL HEAT RESISTING ALUMINIUM PAINT

## H2

### Description & Uses

A single pack, high temperature coating formulated with a leafing aluminum pigment and silicone vehicle that withstands temperatures up to 220°C. Widely used on steelwork which requires paint with good heat resistance; un-insulated chimney stacks, retorts, exhausts, jet engines, boiler fronts, kilns, high pressure steam lines, furnaces, boilers, kilns, metal fireplaces, grills and other hot metal surfaces requiring a heat resistant protective coating. It forms a super durable porcelain-like bond on surfaces at high temperatures and offers excellent resistance to gasoline, rust, salt spray, oil, grease and humidity. The heat resistant properties of this material only develop after heating to 200°C.

### Characteristics

Leafing aluminium pigment in a special synthetic medium.

### Advantages

Durable. Dries to a brilliant, glossy, silver finish. Tough cured finish resists oil, gas, grease, rust, salt, humidity and solvents. Good adhesion, flexibility and reflectivity. Good corrosion and heat resistance. Will not blister, flake, crack or peel at temperatures up to 220°C. Lead and chromate free.

### Limitations

May only be overcoated by itself.

### Finish

Metallic Silver.

### Application

Apply by brush, roller, conventional or airless spray. Roller application may require special care to prevent bubbling and more than one coat to obtain proper film thickness. Two coats recommended for best results.

### Thinning

Supplied ready for use for brush application on normal surfaces. For spray application thin with Regal Industrial Thinner. Stir well before use.

### Drying Times

Recoat in 16 hours.

### Spreading Capacity

8-10m<sup>2</sup>/l when applied on a smooth, non-porous surface.

### Heat Resistance

Up to 220°C.

### Equipment Cleaner

Regal Industrial Thinner

### Colour Range

Silver.

### Pack Sizes

1 litre and 4 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New Surfaces i.e. Steelwork, Galvanized Iron:** Prepare surface (refer appropriate surface preparation Data Sheet). Apply 2 coats of Regal Aluminium Heat Resistant Paint.
- **Previously Painted Surfaces:** Prepare surface (refer appropriate surface preparation Data Sheet). Apply 1-2 coats Regal Aluminium Heat Resistant Paint.

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# REGAL BITUMINOUS ALUMINIUM PAINT

H3

## Description & Uses

An exterior protective coating that can be applied to metal, wood and concrete surfaces. Ideal for use on metal pipes, tanks, structural steelwork, corrugated and flat galvanized roof sheets, bitumen based roofing felt etc. Surfaces previously painted with bitumen based paints can be overcoated with Regal Aluminium Bituminous Paint to produce a metallic, reflective finish.

## Characteristics

Manufactured from a high-grade bitumen and leafing aluminium pigment, incorporated in a synthetic resin.

## Advantages

Durable and extremely flexible. Reasonable chemical resistance to mild fumes or spillage. Good adhesion to most surfaces. Application on storage tanks will reduce evaporation losses. Easy to apply. The incorporation of the aluminium pigment improves the UV radiation resistance of the bitumen.

## Finish

Metallic lustre.

## Application

By brush or spray.

## Thinning

Supplied ready for use by brush application. Thin with Regal White Spirit for spray application. Stir well before use.

## Drying Times

**Surface dry:** in 3-4 hours but will remain fairly soft for a few days.

**Re-coatable:** in 16 hours.

## Spreading Capacity

11-14 m<sup>2</sup>/l when applied by brush on smooth surfaces.

## Equipment Cleaner

Regal White Spirit.

## Colour Range

Metallic Grey.

## Pack Sizes

4 litres.

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- **General Purpose use on Iron and Steelwork:** Prepare surface (refer Data Sheet SP 3). Apply 1 coat (appropriate) metal primer to new and bare surfaces. Apply 2-3 coats Regal Aluminium Bituminous Paint.
- **Galvanized Iron Surfaces:** New/unweathered G.I. should be thoroughly degreased (refer Data Sheet SP 3) and should then be coated with either Regal Etch Primer or Regal Zinc Phosphate Primer. Weathered G.I. does not require priming - normal surface preparation should be performed. Apply 2-3 coats Regal Aluminium Bituminous Paint.
- **Plaster, Cement:** Prepare surface (refer Data Sheet SP 1). New and unpainted plaster etc, should be coated with 1 coat Regal Alkali-Resisting Primer ensuring that the surface is dry. Apply 2-3 coats Regal Aluminium Bituminous Paint.

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# REGAL BLACK BITUMINOUS PAINT/BITUMINOUS COMPOSITION FOR DRINKING WATER TANKS

**H4**

## Description & Uses

A black bituminous paint especially suitable for the interior coating of drinking water tanks, but may be used on general water tanks and pipework. Recommended where a protective and economical finish is required. Can be applied to most surfaces including iron and steelwork, cement renderings, brick, stone etc.

## Characteristics

A heavy-duty, anti-corrosive bituminous solution.

## Advantages

Economical. Non-toxic. A waterproof composition which fills minor pits, cracks and other irregularities, forming a smooth coating.

## Finish

Semi gloss.

## Application

By brush.

## Thinning

Use as supplied on non-porous surfaces. On porous, uncoated masonry thin to ease brushing with Regal White Spirit. Avoid overthinning. Stir well before use.

## Drying Times

Surface dry: 2 hours.

Recoatable: 14 hours.

Hard dry several days.

## Spreading Capacity

Smooth metal surfaces approximately 10-11 m<sup>2</sup>/l. Cement rendering, approximately 7-8 m<sup>2</sup>/l. The spreading capacity will be considerably reduced when applied on rough, porous surfaces.

## Equipment Cleaner

Regal White Spirit.

## Colour Range

Black.

## Pack Sizes

1 litre and 4 litres.

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- **New Metal and Galvanized Drinking Water Tanks:** Prepare surface (refer Data Sheet SP 3). Apply 1 coat Regal Zinc Phosphate Primer. Apply 3 coats Regal Black Bituminous Paint.
- **General - Purpose use on New Iron and Steelwork:** Prepare surface (refer Data Sheet SP 3). Apply 1 coat (appropriate) primer. Apply 2-3 coats Regal Black Bituminous Paint.
- **New (dry) and unpainted Plaster, Cement rendering, Brick, Stone:** Prepare surface (refer Data Sheet SP 1). Apply 3 coats Regal Black Bituminous Paint, thinning the first coat to ease brushing and improve adhesion.
- **Previously Painted Surfaces:** Prepare surface and patch prime bare metal surface with the appropriate Regal primer. Apply 2 coats Regal Black Bituminous Paint.

## Note

Coated water tanks should be flushed out with clean water before use.

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## REGAL TWO PACK EPOXY COAL TAR COMPOSITION H5

### Description & Uses

A high performance coating designed to protect steelwork from corrosion and concrete from ingress of moisture. Particularly suitable for coating the interior of water storage tanks, (must not be used on the interior of drinking water tanks) ships hulls, underwater steel structures, crude oil/sea water, blast tanks and the inside of pipes i.e. for sewerage hydroelectric stations etc. Attains maximum hardness and chemical resistance after 4 -5 days of application.

### Characteristics

A combination of Epoxy Resin and pitch in a two-pack form with polyamide curing agent.

### Advantages

Superior adhesion and water impermeability combined with excellent chemical, water and corrosion resistance. High build film with normal application.

### Finish

Gloss.

### Application

By brush or spray.

### Thinning & Mixing

Incorporate both portions (base and catalyst) as supplied and stir thoroughly. Alternatively smaller quantities can be mixed strictly in accordance with mixing ratios indicated on the container. Allow to stand for 15-20 minutes before use. Where necessary to ease brushing and for spray application, thin to the required consistency with Regal Two-Pack Epoxy Thinners. After thinning stir thoroughly before use.

Ensure that only sufficient material to use in one working day is mixed, as the "pot life" of the combined material is limited to 24 hours maximum.

### Drying Times

Touch dry: 4-6 hours.

Recoatable: within 24 hours in well ventilated conditions.

Do not allow the film to harden for more than 96 hours between coats to ensure good intercoat adhesion.

Full cure: 4 -5 days at ambient conditions.

### Spreading Capacity

3-4 m<sup>2</sup>/l when applied to a smooth, non-porous surface at 100-125 microns dry film thickness, subject also to operating conditions and techniques.

### Equipment Cleaner

Regal Two-Pack Epoxy Thinners.

### Colour Range

Black and Brown only.

### Pack Sizes

4 litres (base and catalyst combined).

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **Metal Surfaces Steelwork:** Prepare surface (refer Data Sheet SP 3). Apply one liberal coat of Regal Two-Pack Zinc Rich Primer. Apply 3-4 coats of Regal Coal Tar Pitch Epoxy Composition (Two-Pack).
- **New and Bare Concrete:** Prepare surface (refer Data Sheet SP 1). Ensure surface is dry. Apply 2-3 coats of Regal Coal Tar Pitch Epoxy Composition (Two-Pack).

### Note

1. Allow 7 days to fully cure before filling water tanks, pools etc.
2. Do not use in drinking water tanks, fishponds etc.
3. Do not apply over surfaces previously painted with finishes other than epoxy.

### Safety Precautions

Breathing masks should be worn during application. A free flow of air should be provided when working in confined atmosphere as the vapours of this material are toxic, and may cause dizziness or sickness if inhaled in concentration.

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# I Specialized Finishes: Road Marking, Roof & Floor Paint

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# REGAL ROAD MARKING PAINT

I1

## Description & Uses

A matt, durable, hardwearing finish designed for use for traffic lines and sign markings on general road surfaces and parking spaces. A reflective finish can be achieved, if required, by sprinkling "Ballotini" beads on to the wet paint film or by thoroughly dispersing "Ballotini" in the paint prior to application.

## Characteristics

Manufactured from high quality pigments and a mixture of high quality resins for added durability.

## Advantages

Excellent adhesion. Good flexibility and quick drying.

## Finish

Matt.

## Application

By brush or spraying machine.

## Thinning & Mixing

Regal Road Marking Thinner. Stir well before use. Avoid overthinning.

## Drying Time

4-10 minutes.

## Spreading Capacity

2½-3 m²/l @175µm WFT as per KEBS specification.

## Colour Range

White, Yellow and Black.

## Equipment Cleaner

Regal Road Marking Paint Thinners.

## Pack Sizes

1 litre, 4 litres and 20 litres.

## Availability

From Regal Depots and Regal Stockists.

## Specifications

- **General road Surfaces:** Dry brush all dirt from the surface and remove any loose chippings. Ensure the surface is perfectly dry at the time of painting. Apply liberally by brush 1 coat of Regal Road Marking Paint. Avoid excessive over brushing. For machine application thin to the required spray viscosity with Regal Roadline Thinner.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

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## REGAL THERMOLINE ROAD MARKING SYSTEM

12

### Product Description & Uses

Thermoplastic road marking material is a formulation of plasticized resin, aggregate, pigment and glass beads supplied in powder form. Thermoline is heated and applied to the road surface where it rapidly cools and sets. The material consists of 100% solids and is environmentally friendly as it is solvent free.

Thermoline conforms to the British Standards (BS) specifications, 3262: Part 1/1989 and Kenya Standard KS 2157-1: 2008.

### Characteristics

Manufactured from synthetic resin in combination with pigment, extenders and retro-reflective glass beads.

### Advantages

High retro-reflective performance (day and night), visibility and provide less traffic disruption during application. Fast drying. Excellent adhesion. High durability. Good flow and skid resistance. Non - toxic. One coat application. Cost effective.

### Finish

Matt.

### Application

By screed, special spray equipment or extruder.

### Colour Range

Yellow and White.

### Directions for Use

Ensure that the road surface is clean, free from dust and moisture. Heavy deposits of paint require removal. Heat the material to 180-200°C in the pre-heater with adequate agitation till the material becomes a homogenized liquid.

On aged asphalt roads and concrete roads application of Thermoplastic Primer coat is recommended for proper bonding of the material with the road surface. Ensure that the primer is thoroughly dry and void of solvent prior to application of the thermoplastic material. Ensure temperature of 180 – 200°C and adequate agitation during application. Do not hold thermoplastic above 180°C for more than 6 hours. Do not heat the material above 200°C at any time. Change in colour indicates that the material has been scorched owing to overheating and needs to be discarded.

Drop-on glass beads must be immediately deposited after thermoplastic application.

### Drying Times

Less than 15 minutes. Traffic free flow after.

### Spreading Capacity

Depends on application method, road profile and film thickness. Generally about 4-8 kg/m<sup>2</sup> at 1.5–3mm film thickness.

### Shelf Life

Minimum 1 year when stored in a cool dry place

### Pack Sizes

25kg bags for both Thermoline and Ballotini Glass Beads

### Availability

From Regal Paints Kampala.

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## REGAL ROOF PAINT

13

### Description & Uses

A high quality durable and flexible coating for the protection of galvanized roofs and exposed steelwork.

### Characteristics

Manufactured from the finest light-fast pigments ground in a flexible medium.

### Advantages

Unique formulation provides a flexible coating to withstand extreme variations in weather conditions. Excellent hiding power. One finishing coat normally sufficient for redecoration work.

### Finish

Semi-Gloss.

### Application

By brush or spray on corrugated surfaces. Can also be applied by roller on flat surfaces.

### Thinning

Supplied ready for use but where necessary and for spray application can be thinned with Regal White Spirit. Avoid over-thinning; otherwise the opacity will be affected. Stir well before use.

### Drying Times

Re-coatable in 16 hours.

### Spreading Capacity

10-13 m<sup>2</sup>/l when applied to smooth, non-porous surfaces.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Green, Red Oxide and Cornflower. Also available on 18 selected colours on request.

### Pack Sizes

1 litre, 4 litres and 20 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **Weathered Galvanized Surfaces/G.C.I. Sheets:** Prepare surface (refer surface preparation Data Sheet SP 3). Apply 2 coats Regal Roof Paint.
- **New (unweathered) Galvanized Surfaces/G.C.I. Sheets:** Degrease and prepare surface (refer Data Sheet SP 3). Apply 1 coat Regal Zinc Phosphate Primer or Regal Etch Primer (recommended). Apply 2 coats Regal Roof Paint.
- **Previously Painted roof Sheets and Metal Work:** Prepare surface. Patch Prime with appropriate primer on bare metal surfaces only. Apply 1 coat or 2 coats Regal Roof Paint.

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## REGAL ROOFSHIELD SELF PRIMING ROOF PAINT

14

### Description & Uses

Roofshield is a superior self-priming roof paint especially formulated for protection of galvanized roofs and general exterior/interior steelwork. Will withstand expansion and contraction of the substrate in severe and changing climatic conditions. Being non-toxic, Roofshield can be applied on roofs and sloping surfaces/gutters etc. from which rainwater is collected for drinking purposes.

### Characteristics

Made from the finest light-fast pigments ground in special oil medium to produce a durable gloss finish.

### Advantages

Excellent adhesion to GCI Sheets. Contains lead-free anti-corrosive pigment and can be applied direct on clean, dry, new and weathered galvanized roofs without the need for primer. Highly flexible. Non toxic. Excellent hiding power.

### Finish

Gloss.

### Application

By brush or spray on corrugated surfaces. Can also be applied by roller on flat surfaces.

### Thinning & Mixing

Supplied ready for use but where necessary and for spray application can be thinned with Regal White Spirit. Avoid overthinning. Stir well before use.

### Drying Times

Recoatable in 36 hours (see note 1 below).

### Spreading Capacity

10-13 m<sup>2</sup>/l when applied to smooth, non-porous surfaces.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Green, Red Oxide and Cornflower. Limited colour range available on request.

### Pack Sizes

1 litre, 4 litres and 20 litres.

### Availability

By arrangement with Regal Paints in Kampala and depots in Nakasero, Mbarara and Arua.

### Specifications

- **Weathered Galvanized Surfaces/GCI Sheets:** Prepare surface (Refer Surface Preparation Data Sheet SP.3)
- **New (unweathered) Galvanized Surfaces/GCI Sheets:** Degrease and prepare surface (Refer Surface Preparation Data Sheet SP 3). Apply 2 coats of Regal Roofshield (See Note 1)
- **Previously Painted roof Sheets & Metal Work:** Prepare Surface. Apply 1 coat or 2 coats of Regal Roofshield. (See Note1).

### Note

1. The unique chemical characteristics of Roofshield, designed to offer exceptional adhesion and flexibility, necessitates delayed hardening of the film. As a result a minimum of 36 hours should be allowed between coats.

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## REGAL ROOFMASTER ACRYLIC ROOF PAINT

15

### Description & Uses

Roofmaster is a flexible coating designed for application to new and previously painted (sound) roofs, walls and masonry. Roofmaster is particularly suited for application to asphalt and bituminous emulsion coated surfaces in addition to concrete, brick, asbestos, cement etc., weathered GCI and aluminium etc.

### Characteristics

Based on flexible 100% pure Acrylic emulsion formulation incorporating high quality lightfast pigments.

### Advantages

Excellent adhesion and weathering properties. The flexible film minimizes crazing when applied to bitumen based substrates. Water based, quick-drying and easy to apply. Economical and easy to maintain. Allows the substrate to breathe and can therefore, be applied to surfaces which still contain up to 15% moisture.

### Finish

Matt.

### Colour Range

Red Oxide, Beetle Green, Cornflower and Brick Terracotta. Other shades available upon request.

### Application

By brush or roller. Can be applied by spray equipment if necessary. For best results the application of 2 coats of Roofmaster is recommended.

### Drying Times

Re-coatable after 3-4 hours in dry conditions.

### Thinning

The thinning of Roof Master is not recommended except when the product is to be applied to textured surfaces when a little clean water can be added to ease brushing. Stir well before use.

### Spreading Capacity

The spreading capacity of Regal Roofmaster will vary greatly depending on the porosity and profile of the surface. Spreading capacity, when applied to a smooth, non-porous surface, will be approximately 10-12 m<sup>2</sup>/l.

### Pack Sizes

1 litre, 4 litres and 20 litres.

### Surface Preparation

- Prior to applying Roofmaster to asphalt and bitumen emulsion surfaces ensure that the substrate is clean and dust free and in sound structural condition. When coating flat roof surfaces, ensure that all surface rainwater is thoroughly removed and the surface allowed drying out. The substrate may be damp but there must be no actively percolating water.
- New galvanized iron and aluminium surfaces require thorough degreasing with Regal White Spirit before coating. Ensure that the surfaces are completely clean and dry. Galvanized iron and aluminium roof sheets that have not be allowed to weather for a minimum of six months should be etched with Regal Passivating Wash/ Mordant solution before painting commences.

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## REGAL CONCRETE FLOOR PAINT

16

### Description & Uses

A hardwearing gloss finish especially designed for interior use on floors constructed of concrete, stone, brick. Can also be used on timber floors. New concrete floors must be allowed to dry out completely before applying Regal Floor Paint.

### Characteristics

Based on a tough resin medium, pigmented to provide abrasion resistance and first class adhesion.

### Advantages

Easy to apply. Good opacity, fast drying adhesion and water resistance.

### Finish

Gloss.

### Application

Apply evenly by brush.

### Thinning

On new (dry) concrete floors the first coat should be thinned, with Regal White Spirit, to ease brushing and ensure penetration into the substrate. Subsequent coats should only be thinned if necessary. Avoid overthinning. Stir well before use.

### Drying Times

Re-coatable in 16 hours in normal conditions.

### Note

If Regal Concrete Floor paint does not dry this indicates that either moisture is still present in the floor or, on previously painted floors, polish, grease, dirt etc, has not been completely removed.

### Spreading Capacity

12-14 m<sup>2</sup>/l when applied on a normal smooth surface. The spreading capacity will be reduced when applied to unpainted concrete and on rough surfaces.

### Equipment Cleaner

Regal White Spirit.

### Colour Range

Available in Red Oxide, Grey and Green.

### Pack Size

1 litre, 4 litres and 20 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New (dry) concrete surfaces:** Prepare surface (refer surface preparation data sheet SP 1). Apply 2 or 3 coats Regal Concrete floor paint. (see note 1 below).
- **Previously painted surfaces:** Prepare surface. Apply two coats Regal Concrete Floor Paint (1 coat may be sufficient when repainting a sound surface of a similar colour). (see note 2 below).

### Notes

1. New concrete must be completely free from moisture and should be allowed to etch several months before painting.
2. Regal Concrete floor paint should not be applied over floors which have been polished or waxed. All traces of oil and grease must be thoroughly removed before paint is applied.

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# REGAL TWO-PACK EPOXY FLOOR PAINT

17

## Description & Uses

A high performance coating supplied in two-pack form offering maximum resistance to pedestrian and vehicular traffic. It forms a tough impervious film and is recommended for use where continual wetting and cleaning processes are being used. Recommended for use on concrete floors in chemical plants, laboratories, hospitals, dairies, breweries, food factories, bottling plants, vehicle showrooms etc.

Its excellent chemical resistance withstands all types of detergents, bleaches, weak solutions of acids and alkalis (10%), fats, oils, fruit juices and various types of solvents.

Do not apply Regal Two-Pack Epoxy Floor Paint over previously painted surfaces (see "specification") or to new concrete floor screeds until they have fully cured/dried out. The two-pack product, which is mixed shortly before use with the catalyst/hardener, does not attain maximum hardness and chemical resistance until 4 -5 days after application (at a temperature of 18°C/65°F).

## Characteristics

Manufactured from high quality inert pigments finely ground in a combination of epoxy resins.

## Advantages

Abrasion, chemical and solvent resistant decorative finish.

## Finish

Gloss.

## Application

By brush, roller or spray (when applying by spray, facemasks must be worn).

## Thinning & Mixing

The two components (base and catalyst) must be mixed together to produce 4 litres of material, alternatively smaller quantities can be mixed strictly in accordance with the mixing ratios indicated on the container. Stir well and allow standing for 15-20 minutes before use. Thin the 1st coat approximately 20% with Regal Two-Pack Epoxy Thinners to ease brushing and to improve adhesion with the floor screed.

## Note

1. As the "pot-life" of the mixed material is limited to about 12 hours, care should be taken to avoid mixing more material than can be used during one working day.

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## Drying Times

**Surface dry:** 2-3 hours.

**Hard dry/recoatable:** 16 hours.

Do not leave longer than 96 hours between coats to avoid adhesion problems. Film attains maximum resistance and hardness after approximately 4-5 days.

## Spreading Capacity

8-10 m<sup>2</sup>/l when applied to smooth non-porous surfaces.

## Equipment Cleaner

Regal Two-Pack Epoxy Thinners.

## Colour Range

Grey, Red Oxide and Green.

## Chemical Resistance

Resistant to mild acids, alkalis, water, fats and oils.

## Pack Sizes

1 litre and 4 litres (base and catalyst combined).

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- **New (dry) Cement floor screeds and unpainted Plaster, Brick, Stone Surfaces:** Prepare surface (refer Data Sheet SP 1). Apply 4 coats Regal Two-pack Epoxy Floor Paint, thinning the first coat to ease application on porous surface.
- **Previously Painted Surfaces in Sound Condition:** Generally, Regal Two-Pack Epoxy Floor Paint should not be applied over previously painted surfaces, particularly over gloss and eggshell enamel paints due to the danger of the coating peeling off.

However, after thorough preparation and abrasion of the surface to form a key, Regal Epoxy Floor Paint can be applied over surfaces previously painted with a similar product. Care must be taken to guarantee good inter-coat adhesion.

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# CT Regal Trade

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## REGAL EXTERIOR READY MIXED FILLER CT2

### Description & Uses

A smooth, ready mixed water based filler, ideal for small crack repairs and making good minor surface defects. Suitable for interior and exterior use on masonry, woodwork and most types of building substrates.

### Characteristics

Manufactured from high quality pigments, reinforcing fillers & styrene acrylic copolymer.

### Advantages

Water resistant, flexible & fast drying. Guarantees no shrinkage.

### Application

Apply using a filling knife. Fill all cracks, open joints and small surface defects with Sandtex Trade Ready Mixed Filler, remove surplus material, finish to match existing and allow to dry.

### Wet thickness

As required up to a maximum of 7mm per application.

### Thinning

Supplied ready for use. However, on new, bare and porous surfaces and for spray application, thin with up to 15% clean water. Avoid over-thinning as this will affect the opacity. Stir well before use.

### Drying Times

1-2 hours depending on thickness.

### Spreading Capacity

Variable depending on width and depth of filling or making good.

### Equipment Cleaner

Wash equipment with clean water immediately after use. Do not empty or wash into drainage systems.

### Colour range

White.

### Pack Sizes

1kg plastic container

### Limitations

Do not apply when there is a risk of rain, or when air or substrate temperatures are likely to fall below 8°C.

### Availability

From Regal Depots and through Regal Stockists.

### Surface Preparation

- All surfaces must be sound, suitably dry and free from anything that will interfere with the adhesion of the materials to be applied. Remove all loose, and failing or suspect material.

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## REGAL TRADE TIMONOX FLAME RETARDANT FINISHES

CT3

### Description & Uses

A range of water-borne high quality coatings available in Silk, Eggshell, Satin and Matt finish formulated to inhibit the spread of flame on new and previously painted wall and ceiling surfaces including timber based substrates.

It can be applied on broad wall areas and joinery, Soft board, Hardboard, Concrete, Plaster, MDF and any form of fair faced brick or rendering.

### Characteristics

Manufactured from the finest quality extenders, pigments and flame retardant additives ground in a Chlorinated vinyl copolymer.

### Advantages

Excellent opacity. Comprehensive flame retardant solution. Wide finish and colour options. Water based, low odour, low VOC. Quick drying.

### Finish

Silk, Eggshell, Satin and Matt. Anti-graffiti, Scrubbable Matt and Clear Top Coat options also available.

### Application

Stir well before use. Apply by brush, roller, or airless spray

### Thinning

Supplied ready for use. However, on new, bare and porous surfaces and for spray application, thin with up to 20% clean water. Avoid over-thinning as this will affect the opacity. Stir well before use.

### Drying Times

Touch Dry: 1-2 hours.

Re-coatable: in 4 hours.

### Spreading Capacity

Up to 14 m<sup>2</sup> per litre on smooth surfaces.

### Equipment Cleaner

Clean Water.

### Colour Range

Brilliant White plus 875 tintable colours.

### Pack Sizes

5 litres.

### Flame Retardancy

When coating new or previously painted combustible and some previously painted non-combustible substrates the use of Timonox Intumescent Basecoat may be required in order to achieve a specific fire rating.

### Limitations

For interior use only. Do not apply when air or substrate temperatures are likely to fall below 8°C or when relative humidity is above 80% during application or drying.

### Availability

From Regal Depots and through Regal Stockists.

### Surface Preparation

- **New surfaces:** All surfaces must be sound, clean, suitably dry and free from contaminants. Powdery, polished plaster or dense surfaces should be primed with Regal Trade Timonox Bonding Primer. Porous surfaces should be mist coated with Regal Trade Timonox Silk, Eggshell, Satin or Matt thinned with up to 20% clean water.
- **Bare timber, plywood and MDF:** All surfaces must be suitably dry, and free from contaminants. Rub down with a suitable grade of sand paper and remove all dust. Treat knots with two thin coats of fresh knotting. Fill any fixing holes, open joints and shallow surface defects with a proprietary filler. Rub down with a suitable grade of sand paper. Remove all dust. Apply two coats of Regal Trade Timonox Intumescent Basecoat.
- **Previously decorated surfaces:** All surfaces must be sound, clean, suitably dry and free from contaminants. Remove all loose, failing or suspect paint. Feather edges of sound paint. Remove all dust. Organic growth must be removed and the areas treated with Regal Fungicidal Solution. Patch prime bare and filled areas with Regal Plus 3 Masonary or Alkali Resisting Primer. Wash remaining sound paint with hot water and liquid detergent solution to remove any contaminants, frequently changing the water. Any glossy or eggshell surfaces should be sanded down to provide a key. Rinse with clean water to remove all residues. Allow to dry. If after cleaning any areas are still contaminated with substances likely to cause staining and/or bleeding, patch prime with one coat of Regal Plus 3 Masonary Primer. Bring forward patch primed areas with one coat of Regal Trade Timonox Silk, Eggshell, Satin or Matt. Where necessary apply one coat of Regal Trade Timonox Intumescent Basecoat.

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## REGAL TRADE TIMONOX FLAME RETARDANT FINISHES (CONT)

**CT3**

### Coating Systems

Surface	System / Spreading Rate
Paper faced plasterboard	1 thinned coat Timonox Silk, Eggshell, Satin or Matt. 2 coats Timonox Silk, Eggshell, Satin or Matt @ 14m <sup>2</sup> /L/ coat.
Particleboard	2 coats Timonox Intumescent Basecoat @ 5m <sup>2</sup> L/ coat. 2 coats Timonox Silk, Eggshell, Satin or Matt @ 14m <sup>2</sup> /L/ coat.
Previously decorated paper faced plasterboard	1 coat Timonox Intumescent Basecoat @ 5m <sup>2</sup> L/ coat. 2 coats Timonox Silk, Eggshell, Satin or Matt @ 14m <sup>2</sup> /L/ coat.

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## REGAL TRADE INTUMESCENT BASECOAT

CT4

### Description & Uses

A water-borne high build coating which, in contact with the heat of fire, produces a thick intumescent layer, insulating and protecting the underlying combustible substrate. Must be overcoated with a suitable Timonox finish.

### Characteristics

Manufactured from the finest quality pigments and Vinyl copolymer emulsion.

### Advantages

Excellent durability and opacity, Good flow and adhesion, Long lasting scrubbable finish. Extends maintenance cycles.

### Finish

Matt.

### Application

Brush, Roller or Airless Spray.

### Thinning

Supplied ready for use. However, on new, bare and porous surfaces and for spray application, thin up to 15% with clean water. Avoid over-thinning as this will affect the opacity. Stir well before use.

### Drying Times

Touch Dry: 1-2 hours.

Re-coatable: in 4- 6 hours.

### Spreading Capacity

Up to 5 m<sup>2</sup> per litre on smooth surfaces.

### Equipment Cleaner

Clean Water.

### Colour Range

White.

### Pack Sizes

5 litres.

### Heat Insulation

At the elevated temperatures of a fire the intumescent reaction produces a carbonaceous foam. This provides excellent heat insulation reducing heat transfer to the underlying surface.

### Limitations

For interior use only. Do not apply when air or substrate temperatures are likely to fall below 8°C, or when relative humidity is above 80% during application or the drying period. Regal Trade: Intumescent Basecoat must be overcoated with a Fire Tested Timonox Finish. Do not use on surfaces subject to heavy condensation, even when protected with a Regal Trade Timonox Finish.

### Availability

From Regal Depots and through Regal Stockists.

### Surface Preparation

- **New Timber, plywood and MDF:** All surfaces must be suitably dry, and free from contaminants. Rub down with a suitable grade of abrasive paper. Remove all dust. Treat knots with two thin coats of fresh knotting. Fill any fixing holes, open joints and shallow surface defects with a proprietary filler. Rub down with a suitable grade of abrasive paper. Remove all dust. Apply two coats of Regal Trade Timonox Intumescent Basecoat.
- **Previously coated Timber, plywood and MDF:** All surfaces must be suitably dry and free from contaminants. Remove all loose, and failing or suspect paint. Feather edges of sound paint. Remove all dust. Organic growth must be removed and the areas treated with Regal Fungicidal Solution. Treat knots with two thin coats of fresh knotting. Fill any fixing holes, open joints and shallow surface defects with a proprietary filler. Rub down with a suitable grade of abrasive paper. Remove all dust. Wash remaining sound paint with hot water and liquid detergent solution to remove any contaminants, frequently changing the water. Any glossy or eggshell surfaces should be wet abraded to provide a key. Rinse with clean water to remove all residues. Allow to dry. Spot prime bare areas and bring forward with one coat of Regal Trade: Timonox Intumescent Basecoat.

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# J Miscellaneous Paints & Sundries

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# REGAL SILICONE WATERPROOFING SOLUTION

**J1**

## Description & Uses

Transparent solution designed for use on exterior masonry including porous surfaces. Does not prevent wall from "breathing" whilst providing an effective waterproof barrier. Does not alter surface appearance. Remains effective for 5-10 years. Recommended for use on new and unpainted fair-faced concrete, cement rendering, brick, stone etc.

## Characteristics

Silicone resin dispersed in solvent.

## Advantages

Waterproof exterior masonry. Allows trapped moisture to escape. Does not alter surface appearance or texture. Effective for a long time.

## Application

Brush or spray. Apply generously; flood the surface to cause a "run down" of about one-foot (300mm). If spray applied, use the minimum pressure to prevent atomization. A mask should be worn as concentrations of the solvents on prolonged use may cause temporary dizziness or sickness if inhaled.

## Thinning

Supplied ready for use.

## Drying Times

Surface dry: 1 hour.

Re-coatable: after 16 hours.

## Spreading Capacity

2-5 m<sup>2</sup>/l depending on surface texture and porosity.

## Equipment Cleaner

Regal White Spirit.

## Colour Range

Clear.

## Pack Sizes

1 litre and 5 litres.

## Availability

From Regal Depots and through Regal Stockists.

## Specifications

- Prepare surface (refer "application" above). Ensure all surfaces are covered.

## Notes:

1. Should not be used on wood, canvas or fabrics.
2. Splashes on painted surfaces should be removed with a rag dipped in Regal White Spirit.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

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## REGAL FUNGICIDAL WASH

J2

Regal Fungicidal Wash is an aqueous solution of biocide, designed to treat mould growth and algae on decorated surfaces. When applied to previously painted walls, ceilings etc, Regal Fungicidal Wash will destroy and sterilize both the growth and the spores present on the surface.

Comprehensive instructions relative to the treatment of mould growth and algae are available under the "Technical Data - Defects & Remedies" section of this catalogue.

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## REGAL ETCHING SOLUTION/PASSIVATING WASH J3

### Description & Uses

A single-pack acidic wash which, when applied to new galvanized surfaces, produces a reaction which aids adhesion of subsequent paint coatings.

The surfaces will blacken if the wash is functioning correctly - contaminated areas will not show any change in colour, so indicating a further application is required.

### Characteristics

An aqueous solution of phosphoric acid containing copper salts.

### Advantages

Keys galvanized surfaces, therefore enhancing adhesion of primer. Good indicator of surface cleanliness. Easy to apply by brush and is economical.

### Finish

Matt.

### Application

Do not apply by spray.

### Thinning

Use as supplied by brush, do not thin.

### Spreading Capacity

18-20 m<sup>2</sup>/l when applied to smooth, non-porous surfaces.

### Drying Times

5-15 minutes.

### Equipment Cleaner

Water.

### Colour Range

A light blue solution which, when applied, creates a semi-transparent blue/black effect.

### Pack Sizes

1litre and 5 litres.

### Availability

From Regal Depots and through Regal Stockists.

### Specifications

- **New, unpainted Galvanized surfaces:** Degrease the surface using Regal White Spirit and allow to dry. Apply a wash coat of Regal Mordant Solution and leave for a minimum of one hour. Rinse thoroughly with clean water to remove excess acid and allow to dry.

### Caution

This material is acidic and is harmful to the skin. Gloves and goggles should be worn during application. In case of contact with skin or clothing, the affected parts should immediately be washed with water.

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## REGAL PAINT & VARNISH REMOVER

J4

### Description & Uses

Regal Paint and Varnish Remover is designed to strip old, loose and wrinkling paint and varnish. When used correctly it will remove all types of oil-based paints such as gloss and eggshell enamels, undercoats, primers etc in addition to Nitrocellulose and a number of industrial finishes. Regal Paint and Varnish Remover can also be used on water based paints. Its efficacy will be greatly reduced when used to remove old coatings. **It should be used with care especially in confined spaces as it is unpleasant to inhale. Keep way from naked flame or red hot surface which would cause acidic fumes.**

Regal Paint & Varnish Remover is supplied in thixotropic form and can be used on paints applied to metal, wood and plaster surfaces.

### Directions For Use

Apply the paint remover generously with an ordinary brush, avoiding unnecessary splashing of the skin or other surfaces. Leave for at least 15 minutes then remove the paint with a scraper or shave hook. When removing several coats of paint, additional applications may be necessary. The paint remover will continue to be active for a considerable time after application.

After all paint has been stripped, the surface should be wiped clean with Regal White Spirit and then allowed to dry thoroughly before overcoating.

### Important

Avoid contact with skin. Shake the tin well before use and open carefully, away from the face. Store in a cool place, away from light, out of reach of children and animals.

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## REGAL RUST REMOVER

J5

### Description & Uses

A water based solution of surfactants and organic acids in water specially formulated for the safe and effective removal of rust from ferrous metal objects.

### Key Features

Will not harm skin. Will not damage paintwork. Removes rust overnight.

### Limitations

Not suitable for direct contact with non-ferrous metals or galvanized surfaces. Regal Rust Remover will strip galvanizing from these metal objects.

### Appearance

Green Liquid.

### Surface Preparation

Use a wire brush or coarse abrasive paper to remove loose rust. Remove oil and grease contamination using Regal White Spirit.

### Application

Diluted Rust Remover: Shake the container well and pour the required amount into a plastic container. Dilute 1 part Regal Rust Remover with 9 parts water and mix thoroughly.

Immerse the rusty item in the solution overnight. Remove and rinse thoroughly under running water using a wire brush to remove any residual rust. If the rust has not been completely removed repeat procedure and leave for 24 hours. Leave to dry and overcoat with a suitable finish. For heavy or stubborn rust deposits, use Regal Rust Remover without dilution.

### Undiluted Rust Remover

Shake the container well and pour the required amount into a plastic container. Immerse the rusty item overnight or until the rust has dissolved, whichever is sooner. Rinse in clean fresh water, abrade with coarse abrasive paper and dry with a clean cloth. Leave to dry and overcoat with a suitable finish.

### Note

Do not return any surplus Regal Rust Remover after use.

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## REGAL PAINT THINNERS

J6

In most cases paint requires thinning for spray application. When applying the product by brush, the paint can be thinned in certain circumstances especially when applying the material to a porous and /or rough textured surface, in order to ease brushing. However, it is important to avoid overthinning the paint as this will affect the opacity of the paint which may necessitate the application of additional coats. Overthinning will also adversely affect the general properties of the paint.

For further information on thinning ratios, the relevant Paint Product Data Sheet should be consulted.

Thinners available from Regal are as follows: -

### **Regal White Spirit:**

The general-purpose thinner and equipment cleaner for use with most solvent-based decorative primers and finishes including: Gloss and Eggshell enamels; Undercoats and Primers for wood, metal and plaster; Roof and Floor Paints; Aluminium and Bituminous Paints; single pack varnishes and stains. Whilst inferior quality thinners can be used for cleaning equipment, it is important to use only Regal White Spirit for thinning as the use of inferior materials will affect the performance of the paint both with regard to appearance of finish and drying characteristics.

Other thinners from Regal are as listed below and each thinner is used for specific products as per instructions on the product tin.

Regal Chlorinated Rubber Paint Thinners.

Regal Stoving Enamel Thinners.

Regal Quick Drying Enamel Thinners.

Regal Road Marking Paint Thinners.

Regal Acid Catalysed Thinners.

Regal Two-Pack Polyurethane Thinners.

Regal Two-Pack Epoxy Thinner.

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## REGAL POLYFILLA

J8

This decorators' cellulose-based filler is famous throughout the world and is manufactured in Kenya under license to Regal's associate company, Polycell Products (ICI) England.

### Interior Uses

- **Plaster Work:** For cracks in plaster, joints in plaster boards, cracks between plaster and woodwork, making good round pipes etc. When dry, Polyfilla will take nails or screws without breaking away under light loads and can be used to plug walls for lightweight domestic fixtures. Polyfilla is ideal for use where there is vibration. Due to its unique formulation, it will withstand normal contraction and expansion of the wall surface and will not crack or fall out.
- **Woodwork:** For filling cracks in woodwork and defective paintwork, between floorboards, for filling joints, not holes, screw holes, cut-outs of removed locks, handles etc.
- **Interior Brick & Cement Work:** For filling interior brick work, for smoothing rough cement work without need for keying, for leveling up walls for tiling, for skimming expanded Polystyrene and asbestos for easy painting.
- **Special uses:** Polyfilla can be used as plaster texture paint. It can be used as a filler/adhesive for fixing mineral fibre acoustic tiles to ceilings and spot fixing plaster board panels to walls. Mixed with mineral wool, Polyfilla can be used for pipe lagging in awkward places. It is also ideal for repairing plaster ceilings mouldings. Polyfilla is an excellent modeling material, suitable for use by artists and sculptors and is widely used in schools and art colleges etc.
- **Exterior Woodwork:** Where Polyfilla is required to be used on exterior surfaces or on areas liable to come into contact with water - i.e. behind sinks, baths, etc. it can be used to make up 'Swedish Putty'. Add a minimum of 10% gloss paint to a stiff Polyfilla paste and mix well. On wood Polyfilla should be applied directly to the bare, sound, dry wood and not over the primer. Other surfaces should be dry and impervious to water. When dry the Polyfilla and all porous surfaces around it must be protected from water by the sound oil paint or varnish system. Otherwise excessive wood movement and deterioration may occur. Exterior brick work, plaster etc, is best repaired with a sand/cement mixture (preferably with the addition of a P.V.A. bonding agent) or filled with a proprietary exterior filler/sealant.

- **Mixing:** Polyfilla is extremely easy to mix by adding approximately two volumes of Polyfilla to one of water and mixing thoroughly. A slightly stiffer mix can be used when filling deep cracks and holes and on very absorbent surfaces. For wood grain filling a little more water can be added to produce a creamy consistency, which can be brushed on. For filling cracks on walls, prior to the application of emulsion paint, Polyfilla can be thinned with the paint - this will assist obliteration by the paint. Nail heads, unless of a non-rusting nature, should be primed with a metal primer or oil paint before applying Polyfilla.

### Filling

Cracks and cavities do not require being wet or primed before filling. Simply brush out any loose dust, old paint or other contamination and press in the Polyfilla paste firmly with a filing knife (slightly round of the surface) and smooth off. Deep cracks are best filled in stages to enhance hardening. The filled area, once dry, should be sandpapered with fine abrasive paper ready for painting.

### Avoid the use of low quality filling materials

The use of "Plaster of Paris" or low quality fillers should be avoided, as these products are likely to crack and fall out. In particular, these types of materials are extremely powdery, therefore offering inferior bonding characteristics to the substrate combined with poor adhesion to the paint finish.

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## REGAL GYPLAST

J9

### Description & Uses

A gypsum based plaster suitable for application on most internal backgrounds including brick, block and concrete. It dries to provide white, smooth and matt finish.

### Characteristics

Manufactured from gypsum hemihydrates, special additives to control working and setting characteristics and lightweight fillers to improve plaster's workability, coverage and application.

### Advantages

Varying thickness - up to 2mm. High filling/ plastering power. Non-cracking. High stability. Easily sanded. Low VOC. Smooth finish. Fire resistance - when exposed to direct flame for 3 min., it turns grey / black in colour but protects wooden surfaces.

### Finish

Matt, smooth when sanded.

### Application

By trowel, palette knife or spatula.

### Mixing

This product should be mixed /stored in dry, non-humid conditions preferably above 10°C. Mix approximately 13-14 liters of water per 25kg Bag (1 part by volume of water to 2 parts by volume of powder). If necessary, carefully add water until the desired consistency is achieved. Leave to mature for 1-2 minutes.

Product has a short pot-life of 20 min. at 25°C. Shaking the mixture in between will give extended pot life of 30-40 min. Mix only enough quantity to be used within the pot-life.

### Drying Times

**Surface dry:** 1 hour.

**Setting time:** Approximately 2 hours. Setting times vary slightly with changes in atmospheric temperature and water content.

**Dry to sand:** 4 hours.

### Spreading Capacity

Depends on thickness and surface porosity.

### Equipment Cleaner

Water.

### Colour Range

White/ off White.

### Pack Sizes

25kg only.

### Availability

From Regal Depots and through Regal Stockists.

### Surface Preparation

- All surfaces should be dry, clean and free of debris.

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## REGAL WALLCARE STUCCO PUTTY (INTERIOR) J10

### Description and Uses

A ready mixed high build material for smoothening/ skimming uneven plasterwork before paint application. Wallcare can also be used on block boards and timber surfaces. When dry, Wallcare will hold nails or screws without cracking. Wallcare should not be used for filling large cracks and holes. For these large cracks and holes, for interior surfaces use Polyfilla and sand/ cement mixture or Exterior Polyfilla for exterior surfaces.

### Characteristics

A water based formulation with a tough co-polymer emulsion and high quality extenders incorporating mould resistant fungicides.

### Advantages

Highly flexible. Water thinnable.

### Finish

Matt and smooth when sanded with fine abrasive paper.

### Application

Surfaces do not require wetting or priming before skimming. Simply brush out any loose dust, old paint flakes or any other contaminants and press the Wallcare firmly with a palette knife, trowel or any other suitable applicator and smoothen off. Once dry, sandpaper the filled area with fine abrasive paper, ready for painting.

### Thinning

Wallcare is supplied ready for use but can be thinned with emulsion paint if surface is to be painted in emulsion paint. This will eliminate any graining. Nail heads should be primed with oil primer before applying Wallcare.

### Drying Times

Surface dry: 1½ -2 hours.

Hard dry: Overnight.

### Spreading Capacity

Will depend on surface texture.

### Equipment cleaner

Water.

### Colour Range

White/ off white

### Pack Sizes

1kg, 5kg and 30kg

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## REGAL WALLCARE CEMENT PUTTY (EXTERIOR) J11

### Description & Uses

WALLCARE Cement Putty is unique formula design based on white cement for exterior & interior surfaces. After application of Wallcare putty, surprise yourself with excellent Silk Smooth & Flake-Free wall which acts as a protective base for primers & expensive paint finishes.

### Advantages

- It serves as excellent & reliable protective base for expensive and beautiful paint finishes applied on exterior and interior surfaces.
- Its superior water resisting properties prevent the paint from flaking even if the walls are damp.
- It has better water-resistance, adhesive strength and durability.
- Being cement based it has better compatibility with the base plaster and cement, forming a durable base for applying primers & premium paints.
- Ease in application resulting in Smooth & Flake Free surface.
- Low VOC.
- Nontoxic.

### Colour

White.

### Binder

White Cement.

### Fillers

Quartz & Calcium Carbonate.

### Drying Time

Surface dry: 30 minutes.

Hard dry: 6 hours.

### Consistency

Dry Powder Mix.

### Thinner

Water.

### Packing Available

20 kg.

### Spreading Capacity

18-20 m<sup>2</sup> (at 1 - 1.5mm).

### Surface Preparation

Remove all loosely adhering material / contamination from the wall surface with the help of coarser emery paper, putty pallets or wire brush and clean water. The substrate should be clean, free from dust, grease and loose materials. Dry and absorbent surfaces should be moistened with sufficient quantity of clean water.

### Note

1. Pre-wetting of surface thoroughly is a must during application. In order to provide high bonding strength, better coverage and ease of application.

### Mix Preparation

Mix WALLCARE putty with up to 45% clean water by volume gradually to make lump free & smooth paste.

### Precaution While Mixing

To utilize the full potential & to get best results, the mixing of WALLCARE putty is very important & extreme care should be taken.

- Mix half of required water quantity into it. knead & mix the putty & wait for 10-15 minutes.
- Mix remaining quantity of water to get desired consistency.
- Mix vigorously for 5-10 minutes to achieve a lump-free and uniform paste.
- As the pot life of mixed material is limited – up to 2 hours, care should be taken that the mix small amount which can be consumed in 2 hours.
- Mixing may be done manually or by using a suitable electric mixer.
- Powder should be added to the water which is taken in a separate tin for easy and uniform mixing. When water is added to the powder mixing becomes difficult resulting in formation of globules which take long to dissolve.

### Application Procedure

The WALLCARE putty mix should be applied on clean, moderately rough & already moistened cement base surface.

### 1st Coat Application

Apply 1st coat from bottom to upward direction uniformly with the help of putty blade/spatula. This will ensure less wastage and proper finish.

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## REGAL WALLCARE EXTERIOR PUTTY (CONT)

J11

After drying of first coat of putty just rub the surface gently with soft sponge or putty blade in order to remove the loose particles.

### 2nd Coat Application

Apply 2nd coat after interval of minimum 4 hours to 12 hours.

Apply 2nd coat horizontally to even out the application marks from 1st coat.

After 2nd coat allow the surface to cure completely for 72 hours.

### Precaution during Application

- Ensure that the surface is plastered or made with cement base material.
- Avoid rubbing 1st & 2nd coat with any kind of abrasives such as wire brush or coarser embri paper as this will affect the water repellent properties of WALLCARE.
- After 2nd coat remove carefully the unevenness in surface using putty blade or sanding with fine embri paper above 500 number.
- In case of effloronces or fungal attack, treat the surface using regal alkali resisting wall primer and regal fungicidal before applying the wallcare putty.

### Storage Condition & Shelf Life

A minimum shelf life of 9 months when stored in Shade, cool & dry place.

### Safety Precaution

- Wear proper safety equipment such as – Respirator/Dust mask to avoid inhalation of powder, goggles to protect eyes from powder or slurry.
- Hand-gloves to protect from accumulate the powder/slurry on hands/nails.
- Avoid handling the material in-case someone has/had history of cement allergies.
- In case WALLCARE cement putty is ingested/inhaled or in case of skin irritation, immediately wash the affected area with water & seek medical help.
- Keep away from children.

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## REGAL METAL PUTTY & OKAY METAL PUTTY

J12

### Description & Uses

A multipurpose putty formulated for the glazing of wooden and metal window frames with single glass. Designed for use in bedding and external fronting single glass into primed softwood and hardwood frames which will subsequently be painted. Can also be used to glaze single glass into concrete or stone surrounds after prior sealing with an appropriate sealer.

### Advantages

Easy to apply and economical.

### Limitations

Not suitable for internal fronting or when frame is to be stained. Do not use on sealed units.

### Finish

Matt.

### Application

By palette knife or blade.

### Thinning

Do not thin.

### Spreading Capacity

1kg will glaze approximately 4 linear metres of glass.

### Drying Times

Skin forms after approx. 2-4 days outdoors dependant on ambient temperature and humidity. May take up to 2 months to fully cure subject to temperature.

### Equipment Cleaner

Regal White Spirit.

### Colour

Grey.

### Pack Sizes

1 kg packed 24 x 1kg boxes  
2 kg packed 12 x 2kg boxes  
8 kg packed in singles  
25 kg packed in singles  
40 kg packed in singles

### Availability

From Regal Depots and through Regal Stockists.

### Surface Preparation

- **Remove all dust, grease and loose material from the rebate:** Any moisture on the timber should be wiped off using a clean paper towel or other absorbent material to give a dry surface.
- **Application:** Check the condition of the primer or stain on softwood timber frames, especially the rebate and glazing surface of the beads. Any section which has been partially missed or is considerably weathered should be re primed before glazing. Rebates of hardwood frames which are to be protected with clear varnish should be sealed with sealer. Location blocks should be used in side hung opening windows to hold the glass in place.
- **When using as back bedding, apply to rebate:** Push in glass and leave a thickness of 1.5mm – 2mm so as to achieve sufficient load bearing properties. The maximum fillet size to allow correct setting is 15mm high x 25mm wide. Do not reduce the fillet size below 8mm high x 10mm wide.

### Finishing

The putty must be painted as soon as it has formed a skin firm enough to accept the actions of overcoating. Apply the first coat usually within 7 - 21 days. The final coat should be applied within 28days.

### Safety Precaution

Keep out of the reach of children. Wash hands after use. Safety data sheet available for professional user on request. Dispose of empty packaging in accordance with regulations.

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## SOLFIX PIPE WELD CEMENT

J13

### Description & Uses

A unique product designed for adjoining P.V.C pipes and fittings.

### Characteristics

Based on a special polyvinyl chloride resin.

### Advantages

High bonding strength.

### Appearance

Clear fluid.

### Application

By brush.

### Thinning

Do not dilute under any circumstances; supplied ready for use.

### Equipment Cleaner

Solfix cleaning fluid - acetone.

### Pack Sizes

100ml, ¼litre, ½litre, 1litre & 4litres.

### Drying Time

15-30 minutes.

### Specification For Use

- Cut the pipes to the desired shape for adjoining, remove dirt. Roughen contacting surfaces of pipe and socket with emery cloth. Clean contacting surfaces with Solfix cleaning fluid. Thoroughly coat contacting surfaces to be joined with solvent cement using brush. Assemble joint immediately; remove excess cement and leave undisturbed for five minutes.

### Other Directions

Heavily flammable, therefore replace cap immediately.

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## REGAL STRONGHOLD WOOD ADHESIVE

J15

### Description & Uses

A high quality P.V.A adhesive designed for the jointing and bonding of timber and plywood.

### Characteristics

A new formulation incorporating the finest polyvinyl acetate as the binder.

### Advantages

High bonding power, attractive appearance, quick drying and easily cleaned with water as the solvent.

### Appearance

White viscous gel or suspension.

### Application

By brush.

### Thinning

Supplied ready for use. DO NOT THIN.

### Equipment Cleaner

Water.

### Pack Sizes

½ Kg, 1Kg, 4Kg & 20Kg.

### Drying Time

4 Hours.

### Specification For Use

- Ensure that the surface is clean, completely dry, in sound condition and free from grease or dust. Apply a liberal coat of the adhesive (2-3mm thick) with a clean brush to both surfaces to be bonded. Do not cover too large an area at any one time. Allow to dry for approximately 2-3 minutes. Bring both surfaces together. On completing the joint, hold or clamp with a firm but not excessive pressure. Allow to fully set for a period of 4 hours (minimum) before removing the pressure.

### Other Directions

Store in a cool dry place.

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## REGAL STRONGHOLD TILE ADHESIVE

J16

### Description & Uses

A high quality P.V.A adhesive designed to bond glazed, ceramic and vinyl asbestos tiles to wall and floor areas. Can also be used for fixing expanded polystyrene ceiling tiles. Note: Not recommended for use with pure vinyl floor tiles.

### Characteristics

A unique formulation incorporating polyvinyl acetate as the binder that imparts the high adhering properties of the product.

### Advantages

Attractive appearance, quick drying, high bonding power, easily cleaned with water as the solvent.

### Appearance

White viscous gel or suspension.

### Application

Use a comb trowel.

### Thinning & Mixing

Supplied ready for use. Thinning not necessary.

### Equipment Cleaner

Water.

### Pack Sizes

½Kg, 1Kg, 4Kg & 25Kg.

### Drying Time

4 Hours

### Specification For Use

- Prepare the surface - Ensure that the surface is clean, dry, sound and free from grease or polish. Allow new concrete floor screeds and plaster to dry out. Apply a liberal coat of the adhesive (2-3mm thick) to the wall/floor surface using a comb trowel. Do not cover too large an area at any one time. Allow to dry for approximately 1 minute. Bring tile and substrate into contact & press firmly into position. Note: Where the ceramic tiles are to be permanently submerged in water e.g. in swimming pools, use Neoprene contact adhesive.

### Other Directions

Store in a cool dry place.

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## REGAL STRONGHOLD PARQUET ADHESIVE

**J17**

### Description & Uses

An adhesive with high bonding power designed for sticking wood-block and parquet floorings to smooth floor screeds.

### Characteristics

A new formulation incorporating a high bonding polymer.

### Advantages

Attractive appearance, quick drying, high bonding power, easily cleaned with water as the solvent.

### Appearance

White viscous gel or suspension.

### Application

Use a comb trowel.

### Thinning & Mixing

Supplied ready for use. Thinning not necessary.

### Equipment Cleaner

Water.

### Pack Sizes

½ Kg, 1Kg, 4Kg, 20Kg & 25Kg.

### Drying Time

4 Hours.

### Coverage Capacity

2 - 2½ m<sup>2</sup> per Kilogram.

### Specification For Use

- Ensure that the surface is clean, dry and free from dust and grease before application commences. Apply a liberal coat of the adhesive on the surfaces to be bonded using a comb trowel. Do not cover too large an area at any one time. Allow drying for approximately 1 minute. Place the blocks (surfaces to be joined) in position with firm but not excessive pressure.

### Other Directions

Store in a cool dry place.

**For health & safety information, please refer to our Material Safety Data Sheet (MSDS).**

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## REGAL STRONGHOLD CONTACT ADHESIVE

**J18**

### Description & Uses

A high quality synthetic rubber based multipurpose impact adhesive, ideally designed for bonding of formica, cork, plastic, laminates, PVC floor coverings, leather, rubber, metal, fabrics and other domestic and industrial uses.

### Characteristics

A unique formulation incorporating neoprene, a high quality synthetic rubber which accounts for its superior performance.

### Advantages

High bonding power for a wide variety of materials both domestic and industrial uses, water resistant, quick drying.

### Appearance

Brownish yellowish.

### Application

Use a comb trowel, brush and metal scrapers.

### Thinning & Mixing

Supplied ready for use. Thinning not necessary.

### Equipment Cleaner

Nitrocellulose thinner.

### Pack Sizes

½Kg, 1Kg, 4Kg & 25Kg.

### Drying Time

15-20 minutes.

### Specification For Use

- Clean the surfaces to be bonded and ensure they are dry. Spread the adhesive evenly over both of the surfaces to be bonded using a comb trowel or brush. Porous surfaces will require a thicker or second application. Do not cover too large an area at any one time. Allow to dry for approximately 10-20 minutes depending on temperature and humidity. Bring the two surfaces together. Once bonded it is not possible to reposition, so care must be taken to make an accurate placement and contact. Apply firm even pressure. Work from centre to the edges to ensure complete bonding and to prevent air locks.

### Other Directions

Forms explosive vapour mixtures with air. Therefore do not use near open flame or sparks.

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# K

## Technical Data: Defects & Remedies

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## BITTINESS

K1

## BLEEDING

K2

### Appearance

Pieces of dirt, grit or skin in the dried paint film, spoiling the otherwise smooth finish.

### Causes

Main causes are using dirty brushes or rollers, a dirty surface, bits of dried-up paint that gets stirred in or pollution from the atmosphere.

### Prevention

Use only clean tools. Strain paint through a cloth before use if necessary and clean surface before painting.

### Remedy

Rub down to a smooth surface and re-coat.



### Appearance

A change in color of the paint that results from the pigment, or other colored material in the surface beneath the coating, moving upward into the applied film and becoming visible.

**Causes:** Contamination from soluble dyes or pigments (especially red) on the existing coating. Strong solvent from topcoat attacking undercoat.

### Prevention

Thoroughly clean the areas to be painted before and after sanding, especially when applying lighter colors over darker colors. Avoid using lighter colors over older shades of red without applying a sealer first. Select the right thinner.

### Remedy

Apply a suitable sealer before recoating.



## BLISTERING

K3

## BRUSH MARKS /ROPINESS

K4

### Appearance

Bubble-like pimples that appear on the paint film, even months after application.

### Causes

Moisture in substrate and when temperature or atmospheric pressure increases, the moisture expands and builds up pressure, resulting in blisters. Use of a fast-drying thinner, especially when the material is sprayed too dry or at an excessive pressure, can result in air or moisture being trapped in the film. Insufficient drying time between coats or very thick coats that trap solvents which later escape and blister the film coat. Contamination of compressed air lines with oil, water or dirt.

### Prevention

Ensure all surfaces are clean and dry before painting. Avoid touching the cleaned area with bare hands to prevent skin oil from contaminating the surface. Avoid painting in direct sunlight. Select the correct thinner. Allow proper drying time for undercoats and topcoats. Drain and clean air pressure regulator and drain air compressor tank daily.

### Remedy

For mild blisters, sand out the blisters and repaint. If damage is severe, remove the paint down to the undercoat or substrate, depending on the depth of the blisters and then repaint.



### Appearance

Uneven film appearance taking the shape of the brush marks.

### Causes

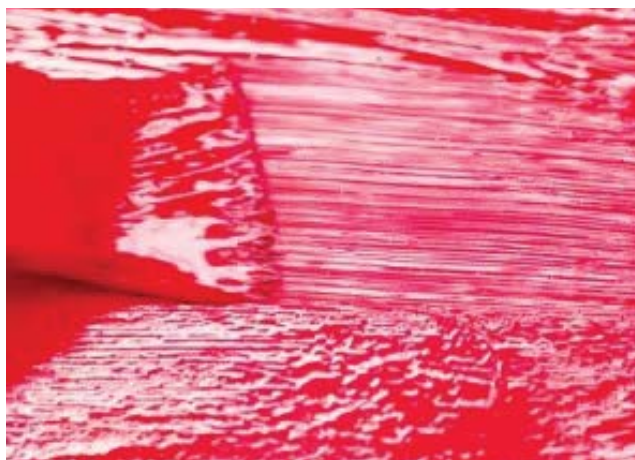
Under-thinning of paints, poor application of final paint coat, use of fast drying solvent or poor quality brush.

### Prevention

Apply paint at correct viscosity using good quality brush to a thin even coating. Cross brush and lay-off with very light strokes.

### Remedy

Sand down to even film and repaint at correct viscosity and thin even coat.



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## CISSING

K5

## CURTAINING, RUNNING OR SAGGING

K6

### Appearance

Paint fails to form a continuous film on the surface, peeling back when it is applied leaving small round bare patches.

### Causes

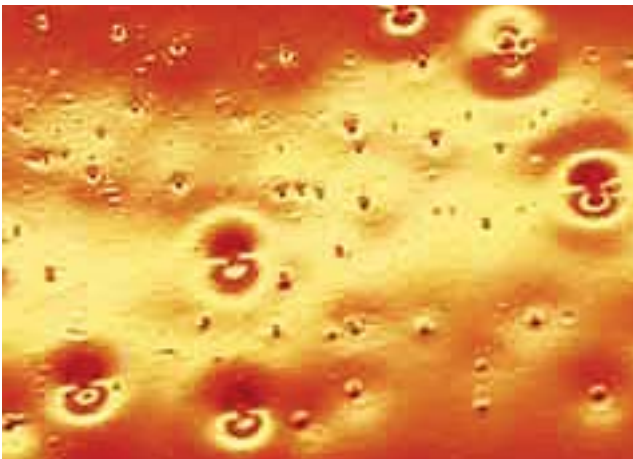
Greasy or oily surface, application of emulsion paint over oil paint regardless of gloss and painting very smooth and shiny surfaces.

### Prevention

Ensure surface is free of oil and grease. Sand shiny surfaces before painting. Apply an undercoat or sealer before overcoating oil paint with emulsion paint.

### Remedy

The wet coat should be washed off immediately with Regal White Spirit and the surfaces allowed to dry overnight. Then thoroughly clean the surface and allow to dry before repainting. If the coating has been allowed to harden, sand down to even film and repaint.



### Appearance

Thick line of paint or varnish drooping like a draped curtain of material that fails to adhere uniformly to the surface.

### Causes

Excess or incorrect thinner. Excessive film thickness or insufficient dry time between coats. Shop, materials or surface too cold. Painting done on a glossy surface without adequate surface preparation i.e., abrading.

### Prevention

Use correct thinner. Apply even coats. Avoid application in cold conditions.

### Remedy

Sand down to a smooth surface and repaint.



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## DISCOLORATION (not from fading in sunlight) K7

### Appearance

Change in colour after paint has been applied.

### Causes

Reaction of coating with alkali substrate, water seepage or contaminants in metal or wood.

### Prevention

Ensure surface is dry before painting. Repair water seepage. Ensure adequate surface preparation.

### Remedy

Sand down to a smooth surface. Apply Regal Alkaline Resistant Primer or Regal Solo Masonary +3 Primer before repainting.



## EFFLORESCENCE K8

### Appearance

Formation of white powdery deposit on walls after painting usually visible at lower levels and primarily occurs on new works.

### Causes

Salts present in the building material like brick, plaster and mortar, which are carried to the surface when moisture evaporates from the walls. These salts form white deposits which can be readily seen on the surface. Poor waterproofing on base often seen on boundary walls, fair faced bricks; endemic to the coastal regions.

### Remedy

Brush off all loose, powdery salts with a stiff, dry brush. Leave wall to dry. Then apply 1 coat Regal Alkali Resistant Primer, allow to dry overnight and then apply a topcoat.



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## FLAKING

## K9

## LOSS OF GLOSS

## K10

### Appearance

Paint coming off substrate.

### Causes

Caused by moisture that collects behind the painted surface. The absorbing and drying of the moisture causes repeated swelling and shrinking, thus breaking the paint film and causing it to pull away from the surface. Application of top coat while the applied coat is not fully dry. Application of top coat on hard glossy surface.

### Prevention

Ensure surface is dry before painting. If applying on existing coat, lightly abrade before re-coating.

### Remedy

Remove all flaking material, using a wire brush and scrapper until all damaged parts of the film are removed. Apply 1 coat of Regal Penetrating Primer to the whole surface or spot prime. Allow to dry overnight and apply 2 coats of finishing coat.



### Appearance

Matt or semi matt dull finish on glossy paints.

### Causes

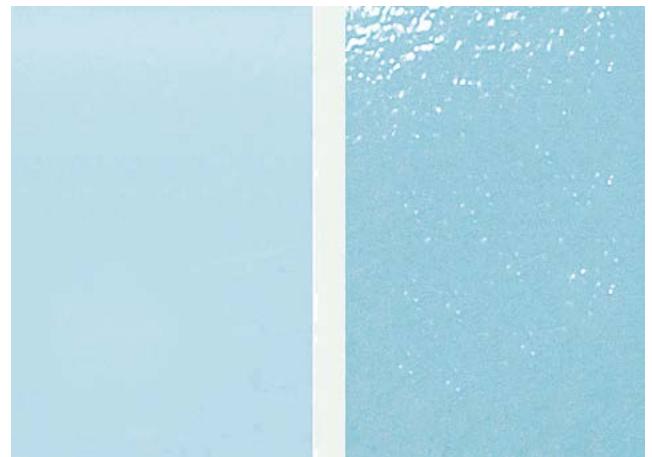
Poor surface preparation. Porous surface. Presence of oil. Painting done in excessive moisture or humid atmosphere. Applying paint at normal or high temperature, then temperature drops suddenly before through drying process in complete.

### Prevention

Use correct thinner. Ensure surface is well prepared and free of oil. Avoid painting in cold or wet conditions.

### Remedy

Allow surface to dry and then remove all faulty paint, lightly abrade the surface and repaint.



## POOR OPACITY /GRINNING

**K11**

**SLOW DRYING**

**K12**

### Appearance

Underlying surface still partially visible after being painted over.

### Causes

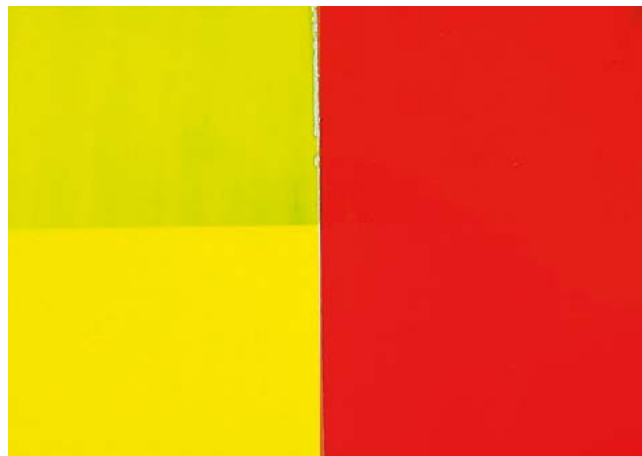
Application of over-thinned paint. Insufficient number of coats. Wide colour changes e.g., from black to white with insufficient coats. Paint applied without stirring. Over spreading of paint. Application over porous surfaces without adequate surface preparation.

### Prevention

Use Regal Universal Undercoat especially when making wide colour changes. Stir paint before use. Avoid overthinning paint.

### Remedy

Apply extra coats until surface is obliterated.



### Condition

Paints taking longer than specified to dry after application. Causes: High humidity, low temperature, poor air circulation, presence of oil, wax or grease on surface, alkalinity on the surface, use of incorrect solvent.

### Prevention

Ensure good surface preparation and adequate ventilation. Use correct thinner. Ensure undercoat dries overnight before over coating. Allow more time to dry. Open windows to allow air circulation.



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## CHALKING

## K13

### Appearance

Formation of chalk like deposits on the surface producing a dull powdery appearance.

### Causes

Use of inferior/ interior finishes on the exterior surfaces.  
Weathering due to over extension of the maintenance cycle.

### Prevention

Avoid using interior coatings on exterior surfaces.

### Remedy

Remove affected coating by sanding, cleaning and refinish using correct coating. The use of Regal Penetrating Primer may also assist.



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# M

## Technical Data:

### Mould Growth & Algae

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## MOULD AND ALGAE CAUSES AND TREATMENT

## M

Given suitable conditions, moulds (otherwise known as fungi or mildew) are liable to grow freely on organic material but can also exist on materials, which are mostly wholly inorganic.

It is well known that textiles, paper, leather, foodstuffs, timber etc are particularly susceptible to attack. Mould can flourish on porous materials such as plaster, brick or stone and in some circumstances; coatings of paint can become similarly affected.

Surfaces become infected by the contact of airborne mould spores (often before the film has fully hardened) and in certain conditions the spores will continue to develop, spreading rapidly reaching major proportions if not checked. In some instances the spores are present in the substrate before painting.

The conditions necessary for the mould to develop are moisture, still air and lack of light or sunshine. Moisture, however, is the most important factor; this may either be in the building fabric, caused by structural defect, or more commonly, at atmospheric humidity over 70%.

Where the fabric is wet from a structural defect, the source of trouble should be found and rectified after which the building fabric must be allowed to completely dry out before a remedial decorative treatment is carried out.

Atmospheric humidity is probably the most common cause of mould growth development. This is particularly troublesome in domestic and commercial properties especially within kitchens and bathrooms where walls and ceilings will become quickly contaminated with mould growth when subjected to steam and humid atmosphere unless adequate ventilation is provided. The problem is common in humid, tropical climates and in coastal regions. Mould growth can be a particularly serious problem in some industrial premises dependent upon the nature of the products and conditions, i.e. bakeries, breweries, dairies, sugar refineries, etc. Fungus is less prone to grow on faster and harder drying systems such as Chlorinated Rubber Paint and chemically cured paints such as Epoxy Enamel and the use of these materials in industrial circumstances is recommended. Although mould growth is more often found on interior surfaces, exterior structures in tropical climate are also prone to attack. However, it is important to note that

it is often difficult to distinguish fungus growth from dirt collection and a microscopic examination may be necessary. Not only may such a growth look like dirt, but mycelia will actually collect dirt and soot, which support further mould life until the paint resembles a uniformly discolored surface.

Algae, a greenish contamination, which grows almost exclusively out of doors, will develop on surfaces which remain continuously damp. Cement based products like concrete, plaster and asbestos cement; seem to be more prone than other substrates to support algae growth.

Prolonged heavy rainfall combined with strong winds often result in algae staining of exterior walls as water entering the building fabric is unable to dry out. Flat roof areas and canopies, which have inadequate drainage, and wall surfaces adjacent to leaking rainwater pipes etc, will quickly become contaminated. Algae will flourish on rough textured and rough stone walls, particularly those covered in plant life, as rainwater is harboured on ledges, within cracks or cement render etc.

### Treatment

**Warning:** It is of the utmost importance that the treatment is carried out strictly in accordance with instructions. In addition to the surface to be decorated, all hidden surfaces, i.e. behind cupboards and fittings, under wash hand basins, benches etc, must be treated. Do not brush or scrape mould from a surface without first sterilizing.

### Preparation - Mould Growth

Apply to all mould infected and suspected areas liberal wash of Regal Fungicidal Solution (alternatively a fungicidal solution can be prepared using a household bleaching fluid, mixed to a working strength of one part bleach to a 8-10 parts clean water).

Allow to remain on the surface for a period of not less than 4 hours, then scrape off all mould and loose material, remove from the building and burn immediately. Apply a further wash of the solution (if using household bleach this can be a more dilute solution, mixed to a strength of approximately one part bleach to 16 parts clean water) and allow to remain on the surface for a minimum of 72 hours to complete sterilization. Do not remove/wash off the solution. Make good any defects in the surface before re-painting.

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## MOULD AND ALGAE CAUSES AND TREATMENT (CONT) M

### Preparation - algae

Algae attack on exterior surfaces should be treated as described above. However, if treated in the early stages, it is sometimes possible to completely remove the stains, after sterilizing, using stiff fibre brushes, without the need for repainting. To prevent further contamination it is important to remember that algae, moss and other contamination present on the top of walls, flat roofs, canopies and other flat surfaces should be removed even though these surfaces are not to be painted. Such contamination is harmful and will encourage growth spread as rainwater runs off the flat surface, down the wall elevation.

### Repainting

After thorough treatment of the surface, the affected areas should be primed and painted in accordance with the recommendations shown in the appropriate Surface Preparation Data Sheet. In buildings conducive to mould formation the use of special fungicidal quality materials are recommended.



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# Technical Data: Surface Preparation

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## INTRODUCTION

### Previously Painted Surfaces in Sound Condition

Wash the surface using a detergent where necessary, to remove stains and rinse with clean water. Make good all defects with plaster, sand/cement or Polyfilla (on internal surfaces) of same porosity as the wall surface. Rub down with sandpaper and dust clean. Surfaces previously coated with emulsion paint or Matt finish can be over-coated with emulsion paint or oil paint. Where a previously gloss painted surface is to be over-coated with emulsion paint, the surface should be wetted and thoroughly rubbed down to provide a key. Provided the surface has been matted down completely emulsion paint can be applied but if this is not practical the application of a coat of oil-based undercoat is recommended after minimal preparation prior to the application of emulsion paint.

Do not apply Epoxy Cold Cure Paints to previously oil painted surfaces.

### Previously Painted Surfaces in unsound Condition

#### A. Loosely bound, powdery & flaking surfaces & walls previously painted with cement paint, lime wash, Distemper, etc.

Walls and ceilings, particularly exterior walls, which have been neglected or previously coated with White Wash, Lime Wash, Distemper, Cement Paints or other under bound decorations, require thorough preparation and treatment prior to redecorating if satisfactory adhesion and durability is to be obtained. Paint applied directly to loose and powdery surfaces will quickly flake off. All loose and flaking material should be completely removed down to a sound foundation or the original building fabric, using paint scrapers, stiff brushes, sandpaper etc., or by mechanical means. Wire brushes can be used on stone work but may cause damage when used on plastered surfaces. Rough edges should be feathered off and surface defects and cracks filled with plaster, sand/cement or Polyfilla (on internal walls). The use of inferior grade fillers or 'plaster of Paris' should be avoided as these may crack or fall out and will create adhesion problems when painted. The surface should be cleaned down and dusted off (where necessary a detergent solution can be used to remove dirt and other deposits and rinsed with clean water). After ensuring that the surface is completely

dry a minimum of 1 coat of Regal Penetrating Primer should be applied to bind the surface prior to repainting.

#### B. Gloss painted surfaces

Loose, flaking, soft and wrinkled oil paints should be stripped using Regal Paint & Varnish Remover or mechanical means where necessary. Rinse off with Regal White Spirit and patch prime porous and bare areas only with Regal Penetrating Primer before re-painting. Where emulsion paints are to be applied over surfaces previously painted with gloss finish, the surface must be thoroughly sandpapered, matted down to guarantee good adhesion. Alternatively, the surface can be lightly abraded and coated with Regal Undercoat prior to applying emulsion paint. Do not apply Epoxy Cold Cure Paint to previously gloss painted surfaces.

#### C. Mould infected areas

Any surfaces which are found to be contaminated with mould growth or algae must be thoroughly treated with a fungicide. (Refer Treatment of Mould Growth-Technical Data Sheet M).

Maximum protection and decoration can be obtained without difficulty when applying paint systems to new, properly seasoned, dry and sound woodwork. However, if the wood is wet, inadequately seasoned, or in a deteriorated state, the performance of the paint will be impaired unless these defects are rectified.

Correct preparation and choice of primer is essential, particularly on exterior surfaces, since different types of wood absorb moisture to a greater or lesser extent than others. New woodwork should be primed before leaving the workshop if it is to be exposed to the weather. New primed woodwork should not be left exposed for any length of time, as one coat of primer is insufficient protection against moisture penetration.

Interior woodwork should be primed without undue delay. Surfaces in permanent contact with brick, stone, plaster e.t.c. (i.e. door and window frame edges), should be primed before installation. A second coat of paint is advisable on such surfaces, especially on end grain, to provide added protection against moisture penetration.

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# PLASTER, CEMENT, BRICK, STONE

## SP1

### Dry Surfaces

Difficulties are not normally experienced when decorative paint systems are applied to new, sound, dry surfaces of even porosity.

### Wet Surfaces

Special care should be taken if decoration must be applied to surfaces before the building fabric has dried out. In these conditions paint films are liable to chemical attack from alkalis. Oil based paint applied to damp surfaces will not adhere and may blister or peel. Initial decoration should be confined to emulsion paints which are porous and allow the natural drying-out process to continue. Alkaline salts contained in the building fabric can be brought to the surface during the drying out process and then form a crystalline deposit, known as efflorescence. All surface deposits should be regularly removed by dry brushing and ideally paint should not be applied until all efflorescence ceases.

### Ceiling and Wall Surfaces

#### 1. Steel-float Lime Plaster

The hardness and colour of these plasters vary according to the type and amount of lime used. They are sometimes highly porous, especially when painting commences several months after plastering, reducing the spreading capacity of the paint, particularly the first coat. Properly applied lime plaster finishes normally produce a good, solid colour when decorated. Lime plasters which have been incorrectly mixed, poorly applied or over-toweled, produce a surface of uneven porosity and the appearance and durability of the paint finishes will be adversely affected.

Varying suction of the medium combined with pigment buildup creates a 'patterning' effect, emphasizing trowel marks, hairline cracks and surface irregularities. A clear sealer can be used to counteract uneven porosity and produce a uniform base for decorative finishes (consult Regal Technical Department). High polished new plaster often results in excessive paint spreading rates and therefore reduced opacity, necessitating an additional coat.

#### 2. Steel-float Cement finish

This type of finish is sometimes preferred to lime plaster where an exceptionally hard, but smooth surface is required. When correctly applied the surfaces present

no decoration problems. Incorrect application can result in variable porosity, and consequently a degree of colour patchiness when painted, although not to the extent experienced with incorrectly applied lime plaster. Excessive spreading rates and reduced opacity will result when coating highly polished, new plaster and an additional paint application may be necessary.

#### 3. Wood-float finish/Cement rendered Surface

When properly applied over uniform substrates, these offer good adhesion for paint finishes and present no decoration problems. Incorrect mixing and application will, however, cause variable porosity and unevenness of texture, resulting in an unsatisfactory and patchy paint finish. Newly-applied renderings are highly alkaline and, unless allowed to dry out thoroughly, initial decoration should be restricted to emulsion paints.

#### 4. Concrete

The surface profile of fair-faced concrete varies from rough to smooth, according to the type of shuttering used. It usually has high moisture and alkaline content and initial decoration should be restricted to emulsion paint where possible.

Pre-cast concrete normally has a very smooth surface, equal to that of good plastering, and because of its dryness and low porosity, can be decorated with most types of paint finishes.

#### 5. Brick and Stone

The painting of dry brick and stone-work does not normally present any problems subject to the surface and the concrete pointing being sound, clean and dry.

#### 6. Tyrolean/roughcast and textured finishes

These vary in both surface texture and porosity depending on the sand/cement mixture and application technique. Unless properly mixed and efficiently applied the finish will be neither uniform in texture nor porosity and a patchy paint finish will result. The application of a clear primer/sealer can counteract patchiness. Paint consumption on textured finishes will be high regardless of whether application is by brush, long pile roller or spray.

#### 7. Cement Bag-Washed Surfaces

A cement slurry applied by brush or sacking can be used to seal and weatherproof porous concrete blocks. Subject to there being satisfactory adhesion between the cement

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## PLASTER, CEMENT, BRICK, STONE (CONT)

## SP1

slurry and the block-work these surfaces can be over-coated with emulsion and water based paint.

### 8. Concrete Building Blocks:

Emulsion and water based paints will adhere satisfactorily when applied to dry concrete blocks.

However, concrete block work is frequently porous and when used for exterior construction especially in damp climates, the application of normal decorative paints will rarely provide sufficient weather-proof protection. Wherever possible exterior concrete block-work should be cement rendered or bag-washed and painted to produce a weather-proof decorative finish.

### Steel-float finish and Lime Plaster

Remove all nibs, efflorescence and loose material. Dust off. Make good small cracks and imperfections with Polyfilla, sandpaper down and dust off. Allow surface to become reasonably dry before applying emulsion paints. Surface must be completely dry before an oil-paint is applied.

### Cement rendered Surfaces. Fair-faced & Pre-cast Concrete

Remove dust, efflorescence and loose material with stiff brushes. Scrape off dry cement splashes.

Large cracks and imperfections should be filled (by the main building contractor) with sand/cement mixture. On

interior surfaces minor cracks in fair-faced and pre-cast surfaces can be filled with Polyfilla. Allow the surface to become reasonably dry before applying emulsion paint and completely dry before oil paints are applied.

### Textured finish. Cement Bag washed Surfaces

Brush down with stiff fiber brushes to remove any loose material and dust off. If surfaces are found to be patchy in appearance and porosity the application of a clear sealer should be considered if a uniform paint finish is to be obtained (consult Regal Technical Advisory department).

### Brick and Stone

Remove dirt, efflorescence and loose material with stiff brushes. Scrape off mortar splashes and rake out defective paintings and make good with sand/cement. Allow the surface to become reasonably dry before applying emulsion paints and completely dry before oil paints are applied.

Interior woodwork should be primed without undue delay. Surfaces in permanent contact with brick, stone, plaster, etc. (i.e. door and window frame edges), should be primed before installation. A second coat of paint is advisable on such surfaces, especially on end grain, to provide added protection against moisture penetration.

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# WOODWORK

## SP2

### 1. Wood Protection

Protection previously applied to woodwork to combat rot, mould and insect attack, can cause such problems as bleeding, loss of gloss, poor drying, etc., when the wood is painted. When surfaces of this kind are to be painted it is advisable first to treat a small test area to establish whether the above defects appear before painting commences. If any of the above phenomena appears after over-coating with a paint or varnish, consult Regal Technical Department for advice, stating the type of preservative used if possible. Timber treated with Creosote or similar oil-based wood Protection/ anti-termite treatment cannot normally be satisfactorily over-coated unless the treatment is removed and the surface prepared down to bare timber.

On projects where the specification calls for a clear finish or special timber treatment such as Polyurethane Varnishes or Woodcare 365 and Woodguard etc., rather than the use of a pigmented wood primer, the application of Regal Woodguard/Woodcare, Clear and Polyurethane Varnish can be used to protect dry timber from moisture ingress.

### 2. Soft woods

Soft woods, commonly used for interior and exterior work (i.e. doors, architraves, windows, skirting, fencing and claddings) are often porous and have varying degrees of expansion and contraction when subjected to temperature and moisture changes. On exterior work, the paint system must be sufficiently elastic to allow for the natural movement of the wood, and at the same time provide a good water resistant and durable finish. Regal Super Gloss offers maximum protection on exterior timber surfaces; Regal Eggshell can be used on interior surfaces but offers little protection on exposed timber. Where the natural beauty of the timber is to be seen, the use of Regal Woodcare 365 or Woodguard is recommended, the deeper shades offering superior protection against ultra-violet light. For interior use, a wide range of gloss and matt varnishes can be considered.

### 3. Hardwoods

Hardwoods are less porous and do not expand and contract to the same extent as soft woods. Being more expensive their use is normally confined to window sills, ledges and doors. Certain hardwoods, such

as Teak, have a natural oiliness which can affect paint adhesion unless the oil is removed from the surface immediately prior to painting.

### 4. Plywood

Many different grades of plywood exist, ranging from rough to smooth. There are also several qualities for interior and exterior use. Plywood's are frequently used for laminating flush doors, cupboards, partitions etc., mainly for interior use. Depending on the quality of the plywood, a considerable amount of filling with Polyfilla, or high quality surface filler, may be necessary to obtain a smooth and uniform finish with gloss or eggshell enamel paints. Defects and undulations in poor quality plywood flush doors and cupboards will be accentuated by the application of a gloss finish.

### Preparation

#### 1. Soft woods

Ensure the wood is dry. Prime all joints, tenons, T n G and abating surfaces during assembly to prevent subsequent absorption of moisture if the joints etc., open after decoration.

Sandpaper smooth and finely round-off sharp edges. Dust off. Large and resinous knots should be cut out, plugged and planed to produce a smooth surface. Regal White Wood Primer should be brushed well into the surface paying particular attention to end grain. Porous end grain should be treated with a second application to prevent moisture penetration.

#### 2. Hardwoods

Ensure the wood is dry. Prime all joints, tenons, grooves, tongues and meeting surfaces during assembly to prevent absorption of the moisture if the joints etc., open after decoration. Sandpaper smooth and finely round-off sharp edges. Dust off. Oily timber should be thoroughly wiped clean with a cloth dipped in Regal White Spirit and allowed to dry. Regal Aluminum Wood Primer should be brushed well into the surface. Pay particular attention to end grain to prevent moisture penetration.

#### 3. Plywood

Ensure the plywood is dry. Thoroughly sandpaper and dust off. The primer should be brushed well into the surface in the direction of the grain. To obtain a smooth

## WOODWORK (CONT)

SP2

and high-class finish the grain, pores and imperfections of the plywood should be filled with oil based wood filler or Polyfilla. Rub down with fine abrasive paper and dust off prior to painting.

#### 4. Previously painted surfaces

##### Sound Condition

Wash down with detergent to remove all dirt and contamination. Rinse off with clean water. Rub down with fine sandpaper (preferably waterproof abrasive paper) before re-coating with gloss or eggshell enamel. Undercoat can be applied where a colour change is required.

##### Unsound Condition

Remove all loose, flaking, soft or wrinkling oil paint with Crown Paint and Varnish Remover. For water

based products remove with a wire brush or scrapper and after dusting off, apply 1 coat Regal Penetrating Primer. Sandpaper smooth and dust off. Treat as for new woodwork. Ensure surfaces are dry before painting.

#### Choice of Primer

The choice of primer is important. Refer chart below.

#### Primers

The following table outlines the correct choice of primer, taking into consideration the surface, conditions and requirements.

	Softwood New and Burnt Off	Hardwood New and Burnt Off	Plywood New and Burnt Off	Chipboard
General Interior	Regal Wood Primer	Regal Aluminium Wood Primer	Regal wood Primer	No primer needed where pre-sealed. Regal Wood Primer for unsealed
General Exterior	Regal Wood Primer	Regal Aluminium Wood Primer	Regal Aluminium Wood Primer or Regal Wood Primer	No Primer needed where Pre-sealed or Regal Wood Primer for unsealed
Chemical Resistant Finish (Crown Epoxy Cold Cure Enamels)	No Primer needed	No Primer needed	No Primer needed	No Primer needed

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# METAL SURFACES

## SP3

### Introduction

The effective preservation of metal is dependent upon thorough preparation, to ensure complete removal of all corrosion, dirt, oil and grease, followed by the careful application of a rust-inhibiting primer, and decorative or protective paint system. The metal must be dry at the time of painting; otherwise corrosion will form beneath the paint film.

### Preparation

#### 1. Iron & Structural Steel Work:

Structural steelwork is used in major constructions such as power stations, bridges, chemical plants, industrial buildings etc. and needs adequate protection against corrosion by a paint system, if maintenance costs are to be kept at a minimum. The performance and the protection provided by the paint system specified is dependent upon the standard of surface preparation, the best of which is considered to be blast cleaning. This, of course, is only normally economical if carried out at the steel fabricator's works. On site, less efficient methods are often used, consisting of perhaps chipping, scraping and wire brushing, or the use of percussion needle pistols or on small areas, flame cleaning with oxyacetylene burners.

Where it is decided to use blast cleaning the following standards should be achieved:

- A. On new contract work, carry out factory blast cleaning to BS 4232 1st quality (white metal), equivalent to Sa3 approx. Swedish Standard wherever possible.
- B. On site, 2nd quality finishes obtained by blast cleaning to Swedish Standard Sa2½ (metal appearance) with cheaper abrasives, are usually acceptable.  
This finish is obtained more quickly and is adequate for most purposes. Whatever the method of preparation, the metal should not be left exposed but must be coated with a holding primer immediately or within 1 hour of cleaning.

### Pretreatment Primers

1. General Interior & Exterior - Regal Etch Primer (Wash Primer)/ Crown Red Oxide Primer
2. Coastal Exposure - Regal Chlorinated Rubber Zinc Rich Primer
3. Chemical Resistance - Regal 2 Pack Epoxy Zinc Phosphate Primer

### Contaminated Surfaces

Surfaces which have been exposed to industrial or, marine atmosphere should be washed either using clean, fresh water or steam cleaned. It is imperative that the surface is perfectly dry before priming.

- **Delay prior to priming**  
Regardless of the method of surface preparation, a rust-inhibiting primer (refer primer chart) should be applied immediately after the cleaning operation is completed.
- **Relative Humidity Dewpoint**  
Structural steelwork should not be painted when the relative humidity is above 80%.
- **Repair Mechanical Damage on site**  
After erection, any damaged areas of prefabrication or conventional primer should be re-prepared and patch primed with the same primer as was originally used. Final painting systems should not be applied unless it can be established that the primed surface is in sound condition to receive further coats of paint.

#### 1. Galvanized Iron

##### New

De-grease with Regal White Spirit and ensure the surface is clean and dry. On exterior work, allow the surface to etch by weathering or treat with Regal Passivating Wash followed by Regal Etch Primer.

##### Old

Prepare as for iron and steel.

#### 2. Copper, Brass & aluminum alloys

De-grease with Regal White Spirit and ensure the surface is clean and dry. If the surface is highly polished roughen using steel wool or other suitable abrasive.

#### 3. Previously Painted Surfaces

Remove all loose paint and corrosion mechanically. Remove all dirt, oil and grease from the surface by swabbing with lint free rags soaked in Regal White Spirit. Ensure the surface is thoroughly dry.

The correct choice of primer is essential. The following table indicates the recommended primer/primers for various surfaces, taking into consideration the conditions and requirements.

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## METAL SURFACES (CONT)

**SP3**

### NOTE

Where alternative primers are shown, these are given in order of superiority, taking into consideration their rust-inhibiting properties.

Surface	Iron & Steel	Galvanized Iron	Copper & Brass & Aluminium Alloys
General Interior	Regal Zinc Phosphate Primer or Regal Zinc Chromate Primer or Regal Red Oxide/Zinc Chromate Primer	Regal Zinc Phosphate Primer Or Regal Etch Primer	Regal Zinc Phosphate Primer or Regal Zinc Chromate Primer or Regal Red Oxide/Zinc Chromate Primer
Coastal Exposure	Regal Zinc Phosphate Primer	Regal Etch Primer plus Regal Zinc Phosphate Primer	Regal Etch Primer plus Regal Zinc Phosphate Primer or Regal Etch Primer plus Regal Zinc Chromate Primer
Chemical Resistance Epoxy	Regal Red Oxide/Zinc Chromate Epoxy Cold Cure Primer	Regal Etch Primer plus Regal Red Oxide/Zinc Chromate Epoxy Cold Cure Primer	Regal Etch Primer plus Regal Red Oxide/Zinc Chromate Epoxy Cold Cure Primer
Lead-Free System (For Drinking Water Tank Etc.)	Regal Zinc Phosphate Primer	Regal Zinc Phosphate Primer	Regal Zinc Phosphate Primer

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## WALL & CEILING BOARDS

## SP4

### Softboards

Soft board panels are frequently used for ceilings in domestic and commercial buildings. They are very porous and are normally decorated with matt finishes, invariably emulsion paint. Where the soft board is exceptionally porous or is to be subjected to humid conditions (i.e. when used in kitchens or bathrooms) it should be primed with **Regal Penetrating Primer** before coating with emulsion paint.

Acoustic tiles manufactured from soft board should not be decorated with oil paints, which reduce the acoustic properties, and should be coated directly with emulsion paint.

### Preparation

Brush down to remove loose material. Ensure that the surface is completely clean and dry. Prime metal fixings with the appropriate metal primer (Zinc Phosphate Metal Primer is recommended in case of galvanized iron fixings).

### Hardboards

These normally have a hard, polished (front) surface and their porosity may vary considerably depending on the brand and quality of the hardboard. Certain types of oil tempered hardboards retard the drying of oil paints and create bleeding problems when overcoated. They require to be sealed with a special hardboard sealer (consult Regal Technical Department).

### Preparation

Sandpaper smooth where necessary and dust off. Prime metal fixings with the appropriate metal primer (Regal Zinc Phosphate Primer is recommended for coating galvanized iron fixings).

All nail holes should be filled once the primer is dry. Ensure the boards are dry at the time of painting. Apply a hardboard sealer (consult Regal Technical Department) when coating oil tempered hardboard.

### Chipboard

These vary considerably in texture and porosity. Double pressed chipboard can have a comparatively smooth finish whereas single pressed chipboard is often very porous and has a rough texture that cannot easily be disguised by the application of normal decorative paints unless the entire surface is filled prior to decoration. Sealed chipboard can

normally be directly painted with emulsion paint but when an oil paint finish is required a primer should be applied after ensuring the surface is completely dry.

Unsealed chipboard can create bleeding problems when directly coated with emulsion paints due to the presence of water soluble chemicals within the chipboard exuding to the surface and staining the paint film. If this phenomenon arises the chipboard should first be primed with an oil-based undercoat prior to the application of the emulsion paint finish.

### Preparation

Dust off and ensure the surface is completely dry prior to painting.

### Expanded Polystyrene Tiles & Sheeting

The use of expanded Polystyrene is normally restricted to ceilings and where necessary the surface can be directly coated with emulsion paint. The use of solvent based paints should be avoided where possible due to possible reaction between the solvent and the Polystyrene.

### Preparation

Lightly brush down to remove surface dust prior to painting. Note: Where dampness may gain access to the back of wall boards and ceiling boards, the backs and edges should also be painted.

### Previously Painted Surfaces

Clean down thoroughly to remove all dust, dirt and deposits and ensure the surface is dry before re-painting. Any loose and flaking material must be completely removed if satisfactory adhesion is to be obtained. Under bound, powdery surfaces, after thorough preparation, should be sealed with Regal Penetrating Primer before re-painting. For best results, emulsion painted surfaces should be primed with Regal Penetrating Primer before finishing with gloss or eggshell enamel.

The correct choice of primer is essential. The following table outlines the primer to be used, taking into consideration the surface condition and requirements.

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## WALL & CEILING BOARDS (CONT)

**SP4**

	Softboard	Sealed Hardboard	Oil Tempered	Chipboard	MDF
Emulsion	No Primer Needed	No Primer Needed	Regal Hardboard Primer/Sealer	Sealed chipboard No Primer needed Unsealed chipboard Acrylic Primer/Sealer Undercoat	Acrylic Primer/Sealer Undercoat
Oil Paint (Gloss, Eggshell)	Regal Penetrating Primer	Regal Wood Primer	Regal Hardboard Primer/Sealer Zinc Chromate Primer	Acrylic Primer/Sealer Undercoat	Acrylic Primer/Sealer Undercoat
Two-Pack Epoxy Cold Cure Paint	Not Recommended	No Primer Needed Cold Cure Primer	Not Recommended Cold Cure Primer	No Primer Needed	Not Recommended

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# PAINTING OF SQUASH COURT PAINTS

## SP5

### General

An extremely tough and smooth finish should be obtained to guarantee a long term durable playing surface. The side walls, unless completely smooth, will create friction with the ball and front wall, unless properly constructed will crack and crumble. Expert advice on the use of special plaster should be sought. 'Keen's Cement' is commonly used for the construction of squash court walls in addition to Glass Reinforced Concrete (G.R.C) if available.

The filling of cracked or uneven new and old walls is rarely effective in the long term. However, proprietary fillers, preferably the two- pack type, can be used for temporary repairs.

Before painting new or repaired wall surfaces, it is important to ensure that the plaster has been allowed to dry out as the application of an oil based system on a surface which contains moisture is liable to bubble blister with resultant flaking of the paint film. Surfaces to be painted should be thoroughly prepared (Refer surface preparation data sheet SP1: Walls, SP2: Woodwork, SP3: Metal Surfaces).

### Choice of Finishing Paint

The use of emulsion paints and chlorinated rubber paints should be avoided, where possible as these are highly thermoplastic and hold the ball, slowing play. Regal Squash Court Paint is specially formulated to offer maximum durability without affecting bounce. However being impervious to moisture, new walls must be completely dry before painting commences.

In circumstances where it is impractical to delay the use of the court, Regal Vinyl Matt Emulsion with Teflon® can be used as a temporary measure and repainted with Regal Squash Court paint at a later stage.

Regal Squash Court Paint which is supplied in a special off-white shade to minimize glare, has been used successfully for many years in the United Kingdom and has the approval of British Squash Rackets Association.

### Painting of new and re-plaster courts Surface Preparation

Ensure surfaces are clean and dry. Sand paper all wall surfaces to remove imperfections, nibs, cement splashes etc. and dust clean. To avoid contamination of the wet paint

all surface preparation should be performed before painting commences after which the entire court should be swept to remove dust.

### Specifications

#### Playing surface: walls below red line

**1st coat:** Apply (to dry wall) 1 coat of Alkali Resting Wall Primer thinned with White Spirit to ease brushing and obtain good penetration. Allow 24 hours before recoating.

**2nd coat:** Apply 1 coat of Regal Squash Court Paint thinned with White Spirit to ease brushing. Allow to dry for 24 hours.

**3rd and 4th coat:** As for the 2nd coat but thin slightly only if necessary to ease brushing. Avoid over thinning.

#### Wall areas above red line

Apply by brush or roller 3 coats of Regal Vinyl Matt Emulsion with Teflon® thinning the 1st Coat with a little water to brushing viscosity. Regal Vinyl Matt Emulsion with Teflon® can be over coated within 3-4 hours in dry conditions.

#### Red line on walls and wooden floor

Lightly abrade the surface with fine sand paper, dust clean and apply 2 coats of Regal Super Gloss Signal Red allowing a minimum of 16 hours between coats.

#### 'Tin' area at the foot of front wall

If constructed of galvanized iron degrease with White Spirit- failure to do so may affect adhesion of the paint system. Treating the galvanized surface with Mordant Solution/ Passivating Wash can be considered as an additional safeguard unless the galvanized iron has weathered sufficiently.

Apply 1 coat of Regal Zinc Phosphate Primer and allow to dry for 24 hours.

Apply 2 to 3 coats of Regal Squash Coat Paint, using Regal Super Gloss Signal Red for the red line.

If constructed of timber substitute the above primer with White Wood Primer. This specification can also be followed for the inside of the entrance door if constructed of timber. Due to the nature of the game, newly painted surfaces should be allowed to harden for several days before commencing play.

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## PAINTING OF SQUASH COURT PAINTS (CONT)

SP5

### Redecorating of existing Squash Court

All loose and flaking paint on plastered, timber and metal surfaces must be completely removed. The surface below should be abraded to a firm base down to the original plaster where necessary. Sound surfaces should be washed with a detergent solution, to remove dirt, grease deposits and ball marks (complete removal of the ball marks from the side walls may not be possible). Rinse down walls with clean water and allow to dry.

If the walls have previously been painted with gloss paint or chlorinated rubber paint, care must be taken to ensure that the surface is thoroughly abraded to assist adhesion.

All wall surfaces which have been repaired or re-plastered must be allowed to dry out thoroughly. Where the previous paint has been removed, uneven edges should be "feathered off". Ensure that the entire court is swept clean immediately prior to painting to avoid contamination of wet paint.

### Specifications

#### Playing Surface: walls below red line

Patch prime bare plaster with 1 coat Regal Penetrating Primer and allow to dry overnight. A second application is recommended on very porous surfaces.

**1st Coat:** Apply 1 coat of Regal Squash Court Paint thinned with White Spirit to ease brushing. Allow to dry for 24 hours.

**2nd Coat:** Apply a finishing coat of Regal Squash Court Paint thinning with a little White Spirit if necessary. In certain circumstances, the application of a 3rd coat may be necessary.

### Non playing areas above the red line

Non playing wall areas previously coated with an emulsion paint or matt finish should be recoated with 2 to 3 coats of Regal Vinyl Matt Emulsion with Teflon® (White). If these areas have previously been painted with gloss paint, the surface should thoroughly sand papered after which 1 coat of Regal Universal Undercoat should be applied followed by 1 or 2 coats Regal Vinyl Matt Emulsion with Teflon®. The use of gloss finishes on these areas should be avoided to prevent reflection.

### Red line on walls and wooden floor

Scrape off any loose paint, abrade the surface and dust clean. Apply 2 coats of Regal Super Gloss Signal Red, allowing 24 hours between coats. The use of masking tape is recommended, to obtain clean straight lines.

### 'Tin' area at the foot of front wall

Ensure all loose flaking material is thoroughly removed. Bare surfaces should be primed with appropriate primer (i.e. Timber-Regal White Wood Primer; Galvanized Iron-Regal Zinc Phosphate Primer).

Apply 2 coats of Regal Squash Coat Paint, using Regal Super Gloss Signal Red for the red line. Allow 24 hours between coats.

All painted surfaces should be allowed to thoroughly harden for several days before play commences.

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