

PHOENIX PAINTS PTY LTD

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Manufacturers of Quality Paints and Protective Coatings

PRODUCT INFORMATION SHEET

"KINGCOAT" **(Industrial Top Coat)**

(A) DESCRIPTION:

PHOENIX "KINGCOAT" is a Water-Dispersed Top Coat which cures into a hard, high gloss film and offers an excellent corrosion protection for a range of surfaces and applications.

The main feature of **KINGCOAT** is that, although the coating is essentially Single Pack, it is actually a functional Two Pack paint, since the film cross-links itself via the diffusion of atmospheric oxygen into the paint film as it dries. This produces a very hard high performance film but without the inconvenience of having to add a separate catalyst.

KINGCOAT is Water-Based, easy and safe to use, and there are no hidden costs since no expensive, dangerous, explosive, or toxic solvents or thinners are required for clean-up - only water.

Major Features:

Since **KINGCOAT** is acrylic in nature, the films produced are not prone to cracking, chipping, or peeling. The product exhibits an excellent hot hardness, a fast air drying rate, and an excellent resistance to corrosion.

The Product is available in a range of colours, including white, red, green, golden yellow, blue, black, and a wide range of pastel shades, e.g. light grey, beige, sky blue, etc.

KINGCOAT is also ideal for surfaces which may flex slightly and it can tolerate the presence of water, including salt water.

(B) OTHER PRODUCT ADVANTAGES:

The **KINGCOAT** offers the additional impressive characteristics:

- * Fast development of hardness
- * Quick development of adhesion
- * Fast development of water resistance
- * Excellent adhesion promotion
- * Superior resistance to dirt pick-up
- * Water Clean Up
- * No expensive and highly dangerous solvents
- * Non-Flammable
- * Range of Colours
- * Recoatability at any time

(C) PHYSICAL PROPERTIES:

Pot Life:	Up to 18 months
Specific Gravity:	1.00
Colours:	WHITE, RED, GREEN, BLUE, BLACK, GOLDEN YELLOW, and PASTEL SHADES,
Pack Sizes:	1 Litre, 4 Litre, 10 Litre.
Dilution:	Only use "KINGCOAT REDUCER" sparingly if required. <u>DO NOT USE WATER.</u>
Application:	Brush or Spray
Volume Solids:	25%
Clean up:	Water
Recoating Times:	Approx 4 - 8 hours (Normal conditions, Temperatures above 25°C, Sunlight, Low Humidity). If possible, leave overnight between coats.
Coverage:	<u>2 coats</u> of the KINGCOAT are recommended. Subsequent coats usually spread further, but coverage rates are typically in range 8 to 12 Square Metres per litre.

(D) DIRECTIONS FOR USE:

- 1) Ensure that all grease, oil, dirt and contaminants have been removed, by cleaning down with neat FLOORPREP if necessary, and if the surface is shiny, abrade the substrate with a wire brush or sanding paper. Remove all dust, wipe over with a warm solution of PHOENIX 'FLOORPREP' (Diluted 1:10 with water), rinse down with fresh water, and allow to dry thoroughly.
- 2) If the surface requires priming (e.g. for bare steel or aluminium, etc), apply 1 to 2 coats of METALFIX for well-rusted surfaces, or METALFIX 1000 for most other surfaces, and allow to dry and cure thoroughly (See the respective Technical Data Sheets).
- 3) For lightly rusted surfaces, especially if these have been wire-brushed or sand-blasted, use the METALFIX 1000. **NOTE: It is imperative to let the METALFIX/1000 cure thoroughly before over-coating with KINGCOAT. If possible, leave overnight before the KINGCOAT coats, or in warm weather, leave for 8-12 hours, and in winter, 1 - 2 days.** It is strongly recommended to evaluate a small test patch before proceeding with the entire work area.
- 4) Next, apply 2 coats of **KINGCOAT** using a brush or spray gun (conventional or airless). Rollers are NOT recommended. Allow 4 - 8 hours between coats, depending upon the prevailing temperature and humidity, but during damp or cool conditions, leave overnight or longer before recoating. Check that the first coat has fully cured ie. no tackiness or film softness is present before applying the second coat. During hot weather, or if the paint appears a little viscous, dilute sparingly with **"KINGCOAT REDUCER"**. DO NOT use water.
- 5) **WET EDGING** - **KINGCOAT** is best applied in continuous sections. If a section is partly painted and returned to for later completion, problems could occur if the edge of the previous coating has already begun to dry. The wet edge must be extended either by (a) increasing the amount of reducers in the paint mix, or (b) applying the paint in narrower bands so that the pause between continuing the painting process is reduced.
- 6) Ensure that the **KINGCOAT** is allowed to fully dry and cure before being exposed to moisture or rain, etc. Wash all brushes etc. out in water immediately after use, and do not allow the coating to set hard on any of these items.
- 7) Although the paint will normally be touch dry well within 60 minutes, the hardness of the film

will continue to increase over the following few days as atmospheric oxygen continues to cross-link the paint's polymer chains.

- 8) **WARNING:** The **KINGCOAT** should be stored away from direct sunlight at a temperature of below 25°C. The shelf life is usually up to 18 months for white or pastel colours, or up to 12 months for all deep colours.

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