

Technical Data Architecture Coatings

Royale Semi Gloss Enamel

Product Description

A premium quality lead free enamel based on suitably modified alkyd containing titanium dioxide and other high grade pigments to provide a tough and hardwearing full gloss finish. It has excellent flow, film build-up, hiding power and is suitable as a decorative and protective coating.

Recommended Areas of Application

Area of Use : Interior and Exterior
Substrate : Metal, Timber, may also be used on primer masonry surfaces.

Technical Data

Sheen Variants : Semi Gloss, Smooth
Colours : White and as per shade card and available in various shades through Colour World machine.
Volume Solids (Based on ASTM D2697) : 46% ± 2%

Theoretical Covering Capacity	Recommended Dry Film Thickness per coat		Theoretical Spread rate m ² / ltr
	Minimum	25 microns	18.4 m ² /Ltr
	Maximum	35 microns	11.5 m ² /Ltr
	Typical	30 microns	15.33 m ² /Ltr

Practical Covering Capacity : For estimation of practical covering capacity, following factors to be taken into account surface profile, uneven application, overspray, losses in container and equipment etc.

Drying time	Substrate Temperature	Touch Dry	Re coating Interval	
			Minimum	Maximum
	25°C	4 Hours	24 Hours	Indefinite
	35°C	2 Hours	20 Hours	Indefinite
	45°C	1 Hour	16 Hours	Indefinite

Application Data

Method of application	: Brush, roller, Conventional Spray and Airless spray application.
Thinner	: TH-1
Thinning ratio (by vol.)	: Use 5% to 10% for ease of application depending on the method of application.

Surface Preparation

The performance of this coating is directly related to the degree of surface preparation.

Steel

Ensure surface is clean, dry and free from all contaminants. Remove rust, if any, by sand blasting or other methods to Swedish Standard Sa 2 ½.

Timber

Ensure surface is clean, dry and free from all contaminants. Wood may be treated further with Wood Preservative.

Masonry

Ensure surface is clean, dry and free from all contaminants. Surface must be sound and free from laitance. Remove laitance by wire brush or sweep blast.

Please note that the use of Alkyd systems on masonry necessitates extra precautions such as, adequate ventilation and light during and for a length of time after application.

Application Details

Ensure adequate ventilation during application and drying. Do not apply when humidity exceeds 80% and condensation is likely. Only apply coating when surface temperature is 3°C or more above dew point. Mix well before application.

• Airless Spray:

Tip Size : 0.22 – 0.30 mm (0.009 – 0.011 in)

Tip Pressure : 90 – 130 Kg/cm² (1300 – 1800 psi)

• Conventional Spray

Use normal spray equipment

• Brush or Roller

Apply an even coat taking care to avoid rungs and sags. More than one coat will be required.

Typical Paint System

Steel	Masonry	Timber
Coat : Luxaprime 1400	Coat : Alkyd Primer	Coat : Wood Primer
Coat : Alkyd Undercoat	Coat : Alkyd Undercoat	Coat : Alkyd Undercoat
Coats : Royale Semigloss Enamel	Coats : Royale Semi gloss Enamel	Coats : Royale Semi gloss Enamel

Storage, Safety Information And Precautions

Kindly refer to the Safety Data Sheet (MSDS) for further information on safety measures.

Storage : Store the container with the lid tightly closed in an upright position, in a cool, dry place, well ventilated space and keep away from sources of heat and ignition. Keep out of reach of children and away from eatables.

Shelf Life : Upto 12 months

Flash Point : 38°C

Disposal : Left-over paint/drums should not be disposed in soil/drains. Consumers should consult a local recycling agency for proper disposal of paint/drums or dispose as per applicable statutory regulation.

Safety Precautions

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire-blanket flames with foam, carbon dioxide or dry chemicals.
- Left-Over Paint Disposal: Left-over paint/drums should not be disposed in soil/drains. Consumers should consult a local recycling agency for proper disposal of paint/drums or dispose as per applicable statutory regulation.

First Aid

Eyes : In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin : Wash skin thoroughly with soap and water or an approved industrial cleaner. DO NOT USE solvent or thinners.

Inhalation : Remove to fresh air, loosen collar and keep patient rested.

Ingestion : In case of accidental ingestion, DO NOT INDUCE VOMITTING. Obtain immediate medical attention.

Disclaimer

The information provided in this data sheet is not intended to be complete. It is the responsibility of the user to ensure that the product used is suitable for the purpose it is meant to serve. In view of various factors affecting the performance of the coating, we cannot assume responsibility for the product performance, nor do we accept any liability arising from use of this product, unless specifically agreed to in writing by us. The information provided in the data sheet may be modified by us without notice.

This Technical Data Sheet supersedes those previously issued with immediate effect