

Technical Data Architecture Coatings

Royale Semi Gloss Enamel

Product Description

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

Recommended Areas of Application

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

Technical Data

Sheen Variants : Semi Gloss, Smooth
Colours : As per shade card
Volume Solids : 49% ± 2%

Theoretical Covering Capacity	Recommended Dry Film Thickness per coat		Theoretical Spread rate m ² / ltr
	Minimum	30 microns	16.5 m ² / ltr.
	Maximum	50 microns	12.25 m ² / ltr.
	Typical	40 microns	10.0 m ² / ltr.

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

Drying time	Substrate Temperature	Sandable Dry	Overcoating Interval	
			Minimum	Maximum
	25°C	4 hours	24 hours	Indefinite
	35°C	1 hour	20 hours	Indefinite
	45°C	1½ hours	16 hours	Indefinite

Application Data

Method of application : Brush, Roller and airless spray application.
Thinner : Solvalux 1.
Thinning ratio (by vol.) : Use 5% to 10% for ease of application depending on the method of application.

Product Description

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

- Ensure surface is clean, dry and free from all contaminants.
- **Steel** : Remove rust, if any by sand blasting or other methods to Swedish standard Sa 2½.
- **Timber** : Wood may be treated further with Wood preservative.
- **Masonry** : Surface must be sound and free laitance. Remove laitance by wire brush or sweep blast.

Application Details

- Ensure adequate ventilation during application and drying.
- Do not apply when humidity exceeds 85% and condensation is likely.
- Surface temperature should be 3°C or more above dew point.
- Stir the contents thoroughly before and during use, with a broad flat stirrer, using an upward lifting action.

Note: Use of Alkyd Systems on masonry necessitates extra precautions such as adequate ventilation and light during and for a length of time after application.

- **Airless Spray** : Tip size: 0.22-0.30 mm(0.009-0.001 in)
Tip pressure: 90-130kg/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

Masonry	Steel	Timber
1 coat x Value PVA Primer Sealer	1 coat x Luxaprime 1400	1 coat x Synthetic wood primer
2 coats x Stucco(Int.only)	2 coats x Royale Semi Gloss Enamel	2 coats x Stucco(If any)
2 coats x Royale Semi Gloss Enamel		2 coats x Royale Semi Gloss Enamel

For alternate system suggestion please contact Sales Representative.

Storage, Safety Information And Precautions

Safety Precautions

- Keep out of reach of children.
- Flash Point: 40°C
- Avoid contact with skin and eyes; wear suitable protective clothing such as overalls, goggles, dust masks and gloves.
- Shelf life of up to 24 months from the date of manufacture.

First-Aid

- **Eyes** : In the event of accidental splashes, flush eyes with water immediately and obtain medical advice.
- **Skin** : Wash skin thoroughly with soap and water or approved industrial cleaner.
- **Inhalation**: Move patient to fresh air, loosen collar and keep patient rested.
- **Ingestion** :Do not induce vomiting. Obtain immediate medical attention.
- Dispose in landfill only.

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