

# Technical Data Architectural Coatings

## ROYALE SUPERFLAT EMULSION

### Product Description

A premium quality water-base acrylic co-polymer emulsion based topcoat pigmented with titanium dioxide and other high grade light fast and alkali resisting pigments. It delivers a smooth, matt finish. It has excellent scrub resistance and washability. It is resistant to fungus and algae, and is ideal for interior usage.

### Recommended Areas Of Application

**Area of use:** Interior  
**Substrate:** Concrete, plaster, masonry, gypsum, timber

### Technical Data

**Sheen Variants:** Matt, Smooth  
**Colours:** As per shade card and available in various shades through Berger Colour World machine.  
**Volume Solids:** 40 ± 2 %

#### Theoretical Covering Capacity

Recommended Dry Film Thickness per Coat		Theoretical Spread Rate
Minimum	35 microns	11.42 m <sup>2</sup> / Ltr.
Maximum	50 microns	8.00 m <sup>2</sup> / Ltr.
Typical	60 microns	6.66 m <sup>2</sup> / 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 Temp.	Touch Dry	Over Coating Interval	
			Minimum	Maximum
	25 °c	2 hours	8 hours	Indefinite
	35 °c	1 hour	6 hours	
	45 °c	½ hours	3 hours	

### Application Data

**Method of application:** Brush, Roller or Spray application.  
**Thinner:** Sweet water  
**Thinning ratio (by vol.):** Use 10% -15% 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.

- 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.

Note: Fungal growth should be treated with Bison Fungicidal Solution. After drying, one coat of Plastaseal Penetrating Sealer can be applied if Required.

## 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.

**Brush or Roller:** Apply an even coat taking care to avoid runs and sags. Minimum two coats recommended.

**Conventional Spray:** Use normal spray equipment.

**Airless Spray:** May also be used if required

## Typical Paint System

### Interior

1 coat x AR Primer / PVA Primer / As recommended by Berger paints

2 coat x Stucco / As recommended by Berger paints

2 coats x Royale Superflat Emulsion

#### FOR POROUS & CHALKY SURFACES

1 or 2 Coats of Plastaseal Penetrating sealer / Tuff AR Primer shall be applied to surface.

For alternate system suggestion please contact Berger Paints Sales Representative

## Storage, Safety Information and Precautions

- Keep out of reach of children.
- Store in cool, dry conditions; ensure adequate ventilation during application.
- Shelf life up to 12 months from the date of manufacture.
- Avoid contact with skin and eyes; wear suitable protective clothing such as overalls, goggles, dust masks and gloves.

## First-Aid

- Eyes: In the event of accidental splashes, flush eyes immediately with warm water and obtain medical advice.
- Skin: Wash skin thoroughly with soap and water, or with an approved industrial cleaner. Do not use solvents.
- Inhalation: Move patient to fresh air, loosen collar and keep patient rested.
- Ingestion: Do not induce vomiting. Obtain immediate medical attention.
- Refer MSDS for disposal procedures.

## 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 datasheet may be modified by us without notice

This Technical Data Sheet supersedes those previously issued from immediate effect.