

Technical Data Architecture Coatings

Tuff Emulsion (Matt & Silk)

Product Description

An emulsion based on nano acrylic emulsion pigmented with titanium dioxide and other light-fast and alkali resisting pigments. Further, Tuff Exterior Emulsion provides excellent long-lasting adhesion on a variety of textured surfaces coupled with good anti-microbial resistance. In addition, its high scrub resistance due to the excellent binding capability of nano emulsion makes it ideal for the tough Middle East climate. Further, it has excellent UV resistance to provide long-lasting aesthetics to exterior facades.

Recommended Areas of Application

Area of use : Interior and Exterior
Substrate : Concrete, plaster, masonry, brickwork, blockwork.

Technical Data

Sheen Variants : Matt & Silk
Colours : As per shade card
Volume Solids : 44% $\pm$ 2% (Matt), 35% $\pm$ 2% (Silk)

Theoretical Covering Capacity	Recommended Dry Film Thickness per coat		Theoretical Spread rate
	Minimum	30 microns	8.00 m ² /Kg
	Maximum	40 microns	5.00 m ² /Kg
	Typical	35 microns	6.00 m ² /Kg

Practical Covering Capacity : Practical covering capacity will vary depending upon surface profile, uneven application, over spray, losses in container and equipment, etc.

Drying time	Substrate temp.	Touch dry	Overcoating Interval	
			Minimum	Maximum
	25 °c	2 hours	24 hours	Indefinite
	35 °c	1 hour	18 hours	
	45 °c	½ hour	12 hours	

Application Data

Method of application : Brush, Roller or Spray application.

Thinner : Sweet water

Thinning ratio (by vol.) : Use 30 – 50% 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.

Applications 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.
- Thin the material with sweet water up to 30 – 50% by volume.
- 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.

TYPICAL PAINT SYSTEM

Exterior/Interior	Alternate System
1 coat x AR Primer/Tuff AR Primer /As recommended by the Company	Over Existing coating
2 coats x External Filler/Stucco/As recommended by the Company	1 coat x AR Primer/Tuff AR Primer /As recommended by the Company
2 coats x Tuff Exterior Emulsion	2 coats x Tuff Exterior Emulsion

For alternate system suggestion please contact Sales Representative

Storage, Safety Information And Precautions

- Keep out of reach of children.
- Store in cool, dry conditions; ensure adequate ventilation during application.
- Avoid contact with skin and eyes; wear suitable protective clothing such as overalls, goggles, dust masks and gloves.
- Shelf life up to 24 month is from the date of manufacture.

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.
- **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