

Technical Data Primers and Ancillaries

Tuff AR Primer

Product Description

A water-based primer based on nano acrylic emulsion pigmented with titanium dioxide and other light fast and alkali resisting pigments. Due to its superior design and consistency when properly applied this is capable of giving maximum spreading rate. Due to the nano capabilities the primer is able to penetrate the concrete/plaster or other masonry surface to seal it. It provides an excellent surface and long lasting adhesion to the range of water-based topcoats.

Recommended Areas of Application

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

Technical Data

Sheen Variants : Matt, Smooth
Colours : As per shade card
Volume Solids : 30% ± 2%

Theoretical Covering Capacity	Recommended Dry Film Thickness per Coat		Theoretical Spread Rate
	Minimum	30 microns	6.00 m ² /Kg
	Maximum	40 microns	4.80 m ² /Kg
	Typical	35 microns	5.20 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 Temperature	Touch Dry	Overcoating Interval	
			Minimum	Maximum
	25°C	2 hours	24 hours	Indefinite
	35°C	1 hour	18 hours	Indefinite
	45°C	½ Hour	12 hours	Indefinite

Application Data

Method of application	: Brush, Roller or Spray application.
Thinner	: Sweet water.
Thinning ratio (by vol.)	: Use 30 – 35% 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.

Application Details

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

- 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	Alternate System
1 coat x Tuff AR Primer	Over existing coating
2 coat x External Putty/As recommended	1 coat of Tuff AR Primer/As recommended
2 coats x Tuff Emulsion	2 coats of Tuff Emulsion

For alternate system suggestion please contact Sales Representative

Storage, Safety Information And Precautions

Safety 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.
- Flash Point: NA

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 on this data sheet is not intended to be complete and is provided as general advice only. It is the responsibility of the user to ensure that the product is suitable for the purpose for which he wishes to use it. As we have no control over the treatment of the product, the standard of surface preparation of the substrate, or other factors affecting the use of this product, we are not responsible for its performance nor would we accept any liability whatsoever or howsoever arising from the use of this product unless specifically agreed to in writing by us. The information contained in this data sheet may be modified by us from time to time, and without notice, in the light of our experience and continuous product development.

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