

## TUFF EXTERIOR EMULSION

### Product Description

An emulsion 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 of 120 sqm per two coats. 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:** Exterior

**Substrate:** Concrete, plaster, masonry, brickwork, blockwork.

### Technical Data

**Sheen Variants:** Matt & Shyne

**Colours:** As per shade card

**Volume Solids:** 44% ± 2% (Matt), 35% ± 2% (Shyne)

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

### 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.
- 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 Berger AR Primer	Over Existing coating
2 coats x Berger External Putty/Stucco Putty	1 coat x Berger AR Primer
2 coats x Tuff Exterior Emulsion	2 coats x Tuff Exterior Emulsion
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.
- 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 datasheet may be modified by us without notice.

“This Technical Data Sheet supersedes those previously issued with immediate effect

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Version No BPB/2017/05