

# Technical Data Architecture Coatings

## Tuff Exterior Emulsion Silk (ABF)

### Product Description

An emulsion based on pure & 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 and it also has very good Anti-Carbonation Properties.

### Recommended Areas of Application

**Area of use** : Interior and Exterior  
**Substrate** : Concrete, Plaster, Masonry, Brickwork, Block Work.

### Technical Data

**Sheen Variants** : Silk  
**Colours** : As per shade card  
**Volume Solids** : 35% ± 2%  
**Specific Gravity (Theoretical)** : 1.38 ± 0.06 (For white only)

| Theoretical Covering Capacity | Recommended Dry Film Thickness per coat |                          | Theoretical Spread rate   |
|-------------------------------|---|--------------------------|---------------------------|
|                               | Minimum                                 | 25 Microns               | 10.1 m <sup>2</sup> / kg. |
| Maximum                       | 40 Microns                              | 6.3 m <sup>2</sup> / kg. |                           |
| Typical                       | 32.5 Microns                            | 7.8 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             |            |
|             | 45 °c           | 0.5 Hour  | 12 Hours             |            |

## Application Data

- Method of application** : Brush, Roller or Spray application.  
**Thinner** : Sweet water  
**Thinning ratio (by vol.)** : Use 20 – 40% 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.

## 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.
- 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 Berger AR Primer/ Tuff AR Primer | • Over Existing coating                      |
| • 2 coats x Berger External Filler          | • 1 Coat x Berger AR Primer / Tuff AR Primer |
| • 2 coats x Tuff Silk (ABF)                 | • 2 coats x Tuff Silk (ABF)                  |

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 24 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 data sheet may be modified by us without notice.

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