

Technical Data Architecture Coatings

Tuff Shyne

Product Description

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

Recommended Areas of Application

Area of Use : Exterior
Substrate : Concrete, Plaster, Masonry, brick work, block work

Technical Data

Sheen Variants : Silky, Smooth
Colours : As per shade card
Volume Solids (Based on ASTM D2697) : 35% ± 2%

Theoretical Covering Capacity	Recommended Dry Film Thickness per coat		Theoretical Spread rate m ² / ltr
	Minimum	40 Microns	6.20 m ² /Ltr
	Maximum	60 Microns	4.20 m ² /Ltr
	Typical	50 Microns	5.60 m ² /Ltr

Practical Covering Capacity : For estimation of practical covering capacity, following factors to be taken into account surface profile, uneven application, overspray, losses in container and equipment etc.

Drying time	Substrate Temperature	Touch Dry	Re coating Interval	
			Minimum	Maximum
	25°C	2 Hours	24 Hours	Indefinite
	35°C	1 Hours	18 Hours	Indefinite
45°C	½ Hours	12 Hours	Indefinite	

Application Data

Method of application	: Brush, Roller or Spray application.
Thinner	: Sweet water.
Thinning ratio (by vol.)	: Use 15 - 20% for ease of application depending on the method of application.
Thinned paint	: Should be used within the same day.

Surface Preparation

- The performance of this coating is directly related to the degree of surface preparation.
- New concrete should be left for at least 28 days to cure before coating.
- Substrate should have sufficient strength to receive the paint. Any defects in the substrate like surface undulation, cracks, pin holes etc. should be rectified/ filled before starting painting. The compatibility of any third party filling material, if used, shall be confirmed with Berger before application.
- The surface must be clean and free from all loose extraneous materials such as loose paint, dust or loosely adhering concrete etc.
- If fungus or algae is present, first treat with Fungicidal Wash and leave for 24 Hours. Then, thoroughly rinse and wash or scrape away all the fungus.
- If grease or oil is present, clean using a mild detergent and rinse thoroughly to ensure complete removal of the grease and detergent.
- Do not apply paint when the surface is wet.

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

1 coat x Weathercoat tex Primer External filler (As Required)

2 coats x Tuff Shyne

- Alternate system

1 Coat of Acrylic AR Primer

2 coats of Tuff Shyne

- For alternate system suggestion please contact Sales Representative.

Storage, Safety Information And Precautions

Kindly refer to the Safety Data Sheet (MSDS) for further information on safety measures.

Storage : Store the container with the lid tightly closed in an upright position, in a cool, dry place, well ventilated space and keep away from sources of heat and ignition. Keep out of reach of children and away from eatables.

Shelf Life : Upto 12 months

Disposal : Left-over paint/drums should not be disposed in soil/drains. Consumers should consult a local recycling agency for proper disposal of paint/drums or dispose as per applicable statutory regulation.

Safety Precautions

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.

First Aid

Eyes : In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin : Wash skin thoroughly with soap and water or an approved industrial cleaner. DO NOT USE solvent or thinners.

Inhalation : Remove to fresh air, loosen collar and keep patient rested.

Ingestion : In case of accidental ingestion, DO NOT INDUCE VOMITTING. Obtain immediate medical attention.

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