

ShaliUrethane[®] BTD

1K Elastomeric Modified Polyurethane Liquid Membrane



STP Limited

Description

ShaliUrethane[®] BTD is high performance, water based, cold applied, single component elastomeric in-situ coating. **ShaliUrethane[®] BTD** is UV resistant. This unique system is ready to use PU modified emulsion. It complies with ASTM C-836.

Characteristics

Appearance of dry film	White / Grey Green / Black	Drying Time, minute @ 27 °C, 55% RH	40-50 for each coat depending on climate
pH	Alkaline	UV Resistance	Good
Specific Gravity @ 30 °C	1.35 ± 0.01	Instant Hardness (Shore A)	35-40
Theoretical Coverage @ 1.2 mm DFT *	2.20 kg/m ²	Elastic Recovery @ 150% elongation, %	70-75
Elongation, %	> 500	Temperature Resistant, °C	- 20 to + 100
Water Absorption, %	0.5 – 0.8	Application Temperature, °C	> 5

* Depending upon surface condition.

Application

- Roof / Terrace including corrugated roofs and difficult geometrical shapes like domes.
- Podium.
- Car parking.

Advantages

- User friendly, Non-toxic, Green product.
- Excellent elongation and very good low temperature flexibility.
- Can be applied on moist surface also.
- Excellent water vapour barrier.
- Ideal for waterproofing of terrace / roof garden / industrial floors.

Application Methodology

- Remove dust, flakes, or other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application.
- Prime the surface with the mixture of **ShaliUrethane[®] BTD** and water in 50 : 50 ratio and apply @ 400 gms / m².
- Allow it to dry completely. Slightly damp surface will help coating.
- Apply **ShaliUrethane[®] BTD** by brush or roller on primed surface @ 1 kg / m² as first coat.
- Spread polyester fleece / 50 gsm non-woven Geo Textile over the first coat with 50 mm overlap in both directions.
- Allow the first coat to dry with polyester fleece / non-woven 50 gsm Geo Textile on top.
- Apply second coat of **ShaliUrethane[®] BTD** @ 1 kg / m² or as required to get thickness of 1.5 mm.
- Do not apply if rain is expected within 24 hours.



Health & Safety

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.

Packing

Available in 25 kg and 250 kg pack.

Storage

Store in a cool dry place, under shed, away from heat.

Self Life

12 months in original unopened sealed condition.



STP's Businesses

Waterproofing & Insulation
Road Surfacing
Pipeline Coating
Repairs & Rehabilitation
GARA (Grouts & Admixtures)
Other Powder Products
Sealant & Additives
Epoxy Flooring
Protective / Anti-Corrosive Coating
Other Products

