TarFelt® LM



Single Component Cold Applied Water Based Bituminous Liquid Membrane

Description

TarFelt[®] **LM** is a single component, water based elastomeric polymerized bituminous emulsion with selected graded fine fillers and some additives **TarFelt**[®] **LM** is applied by brush / roller without any use of heat. **TarFelt**[®] **LM** forms a tough, elastomeric, monolithic, seamless water proofing membrane.

For non-trafficable roofs, **TarFelt**[®] **LM** may be coated with SuperSilverShield (aluminium finish) or with ShaliCryl 215 E to provide UV resistance and aesthetic look. For Trafficable roofs / areas, **TarFelt**[®] **LM** shall be protected with screed / tiles / china mosaic with a separation layer of ShaliGeoText of minimum 150 gsm.



Characteristics

	Viscous		40 min for each
Appearance	emulsion dries	Drying Condition	coat depending on
	to black coating		climatic condition
Application Temperature ^o C	> 5	Tensile Strength after 7	0.50
pH	8 -10	days (1.50 mm film), MPa	0.50
Specific Gravity, @ 30 °C	1.0 ± 0.01	Water Absorption, %	< 1
Elongation after 7 days	190 - 200	Hardness, Shore A (After	> 50
(1.50 mm film), %	190 - 200	7 days)	/ 50
Viscosity on Brookfield @	1600 - 1800	Theoretical Coverage @	2.2
25 °C, cps	1000 - 1000	1.20 mm DFT, kg/m ² *	۷.۷

^{*} Depending upon surface condition.

Application

- Waterproofing of industrial roof corrugated asbestos / galvanized iron sheet / others.
- Rejuvenation of existing bituminous membrane Hessian / HMHDPE based membrane.
- Residential terraces (flat / slope) in substitution of hessian / HMHDPE based membrane.

Advantages

- Water based product, cleaner technology, non toxic.
- Easy to apply by brush / roller.
- Cold applied and hence does not require heating.
- Excellent impermeability.
- Good crack bridging property.
- Good flexibility and does not crack on aging.
- · Prevents growth of fungus, algae etc.

Application Methodology

A. Do not apply **TarFelt**[®] **LM** over metal sheet roof, whether corrugated or otherwise, except in case of rejuvenation. Use TarFelt APP for metal sheet roof application.

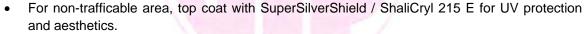
B. Directly Over Substrate

- Remove dust, flakes, or other foreign particles by scrubbing / wire brush / jet of dry air. Clean the surface mechanically or by grinding to make
- Prime the cleaned surface with the mixture of TarFelt® LM and water in equal ratio.
- Allow it to dry till it becomes tacky.
- Apply the first coat of TarFelt® LM by brush / roller / spray on primed surface @ 1.0 kg / m².





- Apply second coat of TarFelt® LM @ 1.0 kg /
- m² and saturate the reinforcement totally.
- For all flat roofs, conduct pond testing as per ASTM D5957-98 standard after 7 days of curing of second coat of TarFelt® LM.
- For trafficable area, protect TarFelt® LM with screed / tiles / china mosaic with a separation layer of ShaliGeoText of minimum 150 gsm. For trafficable roof in case of screed finish, use ShaliPolyFibre @ 600 gm / m³ and ShaliPlast LW+ / STP No 1 (Liquid) @ 200 ml / bag of cement to improve the resistance to crack formation and as well as impact waterproofing properties in screed.



Coverage shall depend on application and surface finish of substrate.

C. Rejuvenation of Existing Treatment

- Clean existing surface thoroughly and correct any visual defects.
- Any part existing if loose, to be removed and re-fixed.
- TarFelt® LM shall be applied thereafter as stated earlier above, adopt the final finish also as suggested above.

Health & Safety

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

Packing

Available in 20 kg pack.

Storage

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

Shelf 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



