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 (1.50 mm film), %	190 - 200	Hardness, Shore A (After 7 days)	> 50
Viscosity on Brookfield @ 25 °C, cps	1600 - 1800	Theoretical Coverage @ 1.20 mm DFT, kg/m ² *	2.2

^{*} 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.

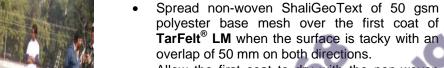
Application Methodology

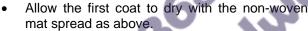
A. Do not apply **TarFelt**[®] **LM** over metal sheet roof, whether corrugated or otherwise, except in case of rejuvenation. Use TarFelt APP for metal sheet roof application.

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 it smooth
- 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.
- For non-trafficable area, top coat with SuperSilverShield / ShaliCryl 215 E for UV protection and aesthetics.
- 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.



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