

ShaliKote[®] LM

Economic Elastomeric Asphalt Emulsion Liquid Membrane



STP Limited

Description

ShaliKote[®] LM is an elastomeric, liquid applied, emulsified asphalt membrane designed for waterproofing sunken floors, balconies and chajjas.

Characteristics - Physical

Appearance	Viscous brownish emulsion dries to black coating	Drying Condition, minutes / coat	40 (depending upon the climate condition)
Specific Gravity @ 30 °C	1.03 ± 0.01	Application Condition	Not to be used <5 °C or RH >85%**
Viscosity on Brookfield @ 25 °C, cps	2800 - 3000	Theoretical coverage, kg / m ² @ 1 mm DFT*	2.5
pH	Alkaline	Water Resistance	No Re-emulsification

* Depending upon surface condition.

** If it is applied below 5 °C or relative humidity >85%, film formation time will be higher.

Characteristics – Technical

Properties	Standard	Result
Elongation after 7 days (1.50 mm film),%	ASTM D-412	200 - 250
Hardness, shore A (After 7 days)	ASTM D-2240	45 -50
Crack bridging, mm, maximum	ASTM C-826	0.5
Pull Off Adhesion, after 7 days, MPa	ASTM D-454	0.6

Application

- Water proofing of sunken, balconies and chajjas.
- Facade damp proofing.

Advantages

- Water based product, cleaner technology, non toxic.
- Easy to apply by brush and roller.
- Cold applied material.
- Excellent impermeability.
- Good flexibility and does not crack on aging.
- Seamless elastomeric membrane.
- Can be applied in damp surface

Application Methodology

➤ Surface Preparation

- Ensure that surface is free from all loose gravel, dirt and foreign matter with high-pressure wash. Before application surface should be totally dry, free from moisture, oil, grease, mill scale or rust.

➤ Application of Material

- Prime the surface with the mixture of **ShaliKote[®] LM** and water in 50:50 ratios. Slightly damp surface will help coating.
- Allow it to dry completely.
- Apply **ShaliKote[®] LM** by brush / roller on primed surface @ 1.0 kg / m² as first coat.

- Spread non-woven ShaliGeoText of 50 gsm polyester base mesh fiber cloth over the first coat of **ShaliKote® LM** when the surface is tacky with an overlap of 50 mm on both directions.
- Allow the first coat to dry with the reinforcement spread as above.
- Apply second coat of **ShaliKote® LM** @ 1.0 kg / m² or as required to get thickness of 1.2 - 1.5 mm.
- Conduct pond testing after 3 days of curing of second coat of **ShaliKote® LM**.
- For trafficable area, protect **ShaliKote® LM** with screed / tiles / china mosaic with a separation layer of ShaliGeoText of 120 -150 gsm. For screed finish, ShaliPolyFibre @ 600 gm / m³ and ShaliPlast LW+ / STP No 1 (Liquid) @ 200 ml / bag of cement may be used to improve the resistance to crack formation and impact resistance.
- For non-trafficable area, top coat with SuperSilverShield / ShaliCryl 215 for UV protection and aesthetics.
- Coverage shall depend on application and surface finish of substrate.

Health & Safety

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapor.
- Wear suitable protective clothing, gloves and eye protection
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.

Packing

Available in 20 kg and 200 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
 Protective / Anti-Corrosive Coating
 Repairs & Rehabilitation
 GARA (Grouts & Admixtures)
 Sealant & Additives
 Epoxy Flooring

