

ShaliKote[®] LM

Economic Elastomeric Asphalt Emulsion Liquid Membrane



Description

ShaliKote[®] LM is an elastomeric, liquid applied, emulsified asphalt membrane designed for waterproofing sunken floors, damp proof course, 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, Max. | 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.
- Damp proof course.
- 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 IW @ 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.



Product Range

- Waterproofing & Insulation
- Sealants & Adhesives
- Protective/Anti-Corrosion Coatings
- RestoFix - Repair/Rehabilitation
- Road Surfacing
- Pipeline Coatings
- Epoxy and Flooring
- Grouts and Admixtures (GARA)
- Other Construction Chemicals



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