

MARKPROOF LM-100

LIQUID APPLIED SINGLE COMPONENT WATER BASED ELASTOMERIC
WATERPROOFING MEMBRANE



DESCRIPTION

MARKPROOF LM 100 is a highly elastic tough waterproofing system based on modified bitumen's water based co-polymer. MARKPROOF LM 100 is highly resistant to aggressive soils and soluble salts providing an effective continuous barrier and protection against water Bourne damage. MARKPROOF LM 100 is ideally suited as a vapor/salt barrier to building facades behind granite, marble, stone cladding, and curtain wall elements.

FEATURES / ADVANTAGES

- Liquid application, easy to apply.
- No Joints.`
- High build properties ensure rapid application.
- High elasticity, ensuring a permanently flexible barrier over a wide range of temperatures.
- Provides good thermal stability.
- Excellent adhesion.
- Can be applied to a range of substrates.
- Outstanding resistance to oxidation and brittlement.

USES

- For wet areas, foundations, basement, terraces.
- For retaining walls, bridge abutments, planters, inverted roofs.
- For remedial repairs to felt, asphalt, concrete, fibrous cement or other roof structures when protected from exposure to direct sunlight.

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TYPICAL APPLICATION

Surface Preparation

All substrates must be sound, clean, dry, smooth and free from protrusions, voids, honey-combs and high spots. Presence of curing agents, paint and oil will impair adhesion. Moss and lichen must be removed and area treated with proprietary fungicidal wash to kill spores and inhibit further growth. Following treatment wash area thoroughly with clean water and allow drying. Fillets must be provided at corners or sharp angles using 4:1 sand and cement mortar modified with a good quality bonding agent.

Priming

Priming is not normally required on good quality, well prepared substrates.

Cracks: All shrinkage and non-structural cracks must be treated with not less than 1.5mm coating of MARKPROOF LM 100 extending 75mm either side of the crack. Allow to cure overnight prior to general application.

Application

MARKPROOF LM 100 should be applied by brush to obtain a continuous unbroken film. Two coats are required with the second coat applied at right angles after the first coat has cured.

MARKPROOF LM 100 must be protected from mechanical damage during subsequent construction or backfilling works. Any damage may be repaired by spot application. If a water flood test is to be run, the membrane should cure for a minimum of 10 days. Whilst MARKPROOF LM 100 is resistant to frost, adhesion will be impaired if applied to frosted substrates. Application should be avoided if substrate temperatures are below 5°C or rain is imminent.

Cleaning: Application equipment should be thoroughly cleaned after use with water. Spillages should be absorbed with sand, vermiculite or similar and be disposed of in accordance with local regulations.

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TYPICAL CHARACTERISTICS

Properties	Result
Color	Black
Form	One Component
Specific gravity at 30°C	1.1
Coverage	1.5 - 2 m ² per kg at 1mm WFT (Note - Coverage rate will vary with substrate condition and profile)
Elongation Break	900%
Cure Time	Approx. 24 Hours
Base	Water Base
Crack Bridging	Up To 2mm

SPECIFICATION COMPLIES

- ASTM C 836-84

PACKING

20 Kg Buckets. Drum packing also available on special orders.

SHELF LIFE AND STORAGE

Shelf life of 12 months in unopened containers when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

HEALTH & SAFETY

MARKPROOF LM 100 should not come into contact with skin, eyes or be swallowed. Glasses, goggles and protective overalls should be worn during application. Refer Material Safety Data Sheet for further information.

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DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential nonperformance.