



SOLIDFLEX LM

LIQUID APPLIED SINGLE COMPONENT
WATER BASED ELASTOMERIC WATERPROOFING MEMBRANE



WATERPROOFING



BENEFITS

- > Liquid application, easy to apply.
- > No joints.
- > High build properties to ensure rapid application.
- > High elasticity, ensuring a permanently flexible barrier over a wide range of temperatures.
- > Thermal stability.
- > Excellent adhesion.
- > Can be applied to a range of substrates.
- > Outstanding resistance to oxidation and brittleness.

DESCRIPTION

SOLIDFLEX LM is a highly elastic tough waterproofing system based on modified bitumens water based co-polymer. **SOLIDFLEX LM** is highly resistant to aggressive soils and soluble salts providing an effective continuous barrier and protection against water borne damage. **SOLIDFLEX LM** is ideally suited as a vapour / salt barrier to building facades behind granite, marble, stone cladding and curtain wall elements.

USES

SOLIDFLEX LM is a single component high performance waterproofing membrane with high elasticity and low water permeability. **SOLIDFLEX LM** is particularly suitable for a wide range of applications including wet areas, foundations, basements, terraces, retaining walls, bridge structures, planter box, flat roofs and remedial repairs to felt, asphalt, concrete, fibrous cement or other roof structures when protected from exposure to direct sunlight.

STANDARD COMPLIANCE

SOLIDFLEX LM complies to **ASTM C 836-84 (SIRIM Standard)**.

PHYSICAL PROPERTIES

Color	: Black
Form	: 1 component
Specific Gravity	: 1:1
Tensile Strength	: 2.5N/mm < (ASTM D412)
Elongation at Break	: 900%
Cure Time	: 24 hours approx.
Crack Bridging	: Up to 2mm
Base	: Water based

APPLICATION METHOD

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 3:1 sand and cement mortar modified with a good quality bonding agent - **SOLIDSEAL BA**.

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 **SOLIDFLEX LM** extending 75mm either side of the crack. Allow to cure overnight prior to general application.

APPLICATION

SOLIDFLEX LM 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. **SOLIDFLEX LM** must be protected from mechanical damage during subsequent construction or backfilling works. Any damage may be repaired by spot application. If a water pond test is to be conducted, the membrane should cure for a minimum of 10 days. Whilst **SOLIDFLEX LM** 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.

SOLIDFLEX LM



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.

PACKING & COVERAGE

SOLIDFLEX LM is supplied in 20kg pails. It has a coverage of 1.5 - 2m² per kg at 1mm WFT. Coverage rate will vary with substrate condition and profile.

SHELF LIFE & STORAGE

SOLIDFLEX LM will have a shelf life of 12 months in unopened container 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

SOLIDFLEX LM is alkaline in nature. Avoid inhalation of dust and contact with skin and eyes. If contact with skin occurs rinse with plenty of water and seek medical advise.

SPECIFICATION

SOLIDFLEX LM is a liquid based elastomeric water proofing membrane applied at the same rate of 1.0kg/m² /mm per coat onto clean and honeycomb free concrete surface, used strictly in accordance with the instruction of SOLID.

QUALITY ASSURANCE

SOLID manufactures the entire range of construction chemical under compliance of SIRIM and other international standards (ASTM, BS, GBI, LEED).

TECHNICAL SERVICES

While new advance and changes will take place but one thing will never change is quality and meeting special needs of our customers. Our technical personnel and experts are available to provide additional information and technical assistance. We are eager to work with you in development of new product and resolve your problem.

Disclaimer: The information provided in the data sheets is based on both current development of work and years of field experience. Efforts are made to ensure that the information is reliable, however, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. In view of continuing research and development (R&D) undertaken in our laboratories, we advise customers to ensure that the data sheets provided are not superseded by an updated publication. All products are sold are subject to our standard condition of sale, which is available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local SOLID representative.



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**SOLID GREEN TECH
SOLUTIONS SDN. BHD.**
(Co.No.1018765-P)

FACTORY OFFICE

Lot 772 (10-14), Jalan Subang 4,
Kaw. Perindustrian Penaga,
46720 Subang Jaya, Selangor, Malaysia.

+603-8081 4777 / +603-8081 4776

+603-8081 4771

info@solidsolutions.com.my

www.solidsolutions.com.my

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