



SOLIDFLEX MEMBRANE 4M (G)

Mineral Surfaced Bituminous Waterproofing Membrane



BENEFITS

- > High resistance to positive water and vapour pressure.
- > Good dimensional stability under tension.
- > Good flexibility. Can accommodate structural movements.
- > High puncture and fatigue resistance.
- > Resists water borne chemicals.
- > High heat resistance.
- > Anti root grade resistant to penetration of roots available.

DESCRIPTION

SOLIDFLEX MEMBRANE 4M (G) is a high polymer modified plastomeric bituminous waterproofing membrane, surfaced with reflective natural color slates to provide maximum protection against UV. The presence of the slates provides a mechanical protection against light foot traffic and occasional maintenance as well as offering an aesthetic surface. It is an ideal membrane for roofing and exposed applications where it can be placed on top of the existing surface and providing an economical and efficient solution to leaking roofs.

USES

SOLIDFLEX MEMBRANE 4M (G) is used for waterproofing of exposed areas such as inverted roofs, parapets, terraces, patios, airport aprons and ramp areas.

PACKING

SOLIDFLEX MEMBRANE 4M (G) is supplied in 1 x 10 m rolls, coverage of 10 m² per roll.

SHELF LIFE & STORAGE

SOLIDFLEX MEMBRANE 4M (G) whether loose or on pallets have to be stored vertically in shaded area neatly covered by a thin fabric and tight securely in a manner that will minimize exposure to sunlight and UV.

SOLIDFLEX MEMBRANE 4M (G) will have a shelf life of 12 months when stored as per recommendations. Excessive exposure to sunlight, UV and other sources of heat will result in considerable deterioration of the product and reduce its shelf life.



STANDARD COMPLIANCE

SOLIDFLEX MEMBRANE 4M (G) are tested and conform to the requirements of **UEA2001**, **ASTM** and **DIN EN Standards**.

SPECIFICATION

SOLIDFLEX MEMBRANE 4M (G) is a bituminous waterproofing membrane that can be applied over well prepared sound substrates to provide extremely tough durable waterproof render, which can be used strictly in accordance with the construction of **SOLID**.

HEALTH & SAFETY

SOLIDFLEX MEMBRANE 4M (G) contain a tacky bitumen compound which when applied can stick to human skin. Such stains can be removed by using a cloth dipped in suitable cleaner.

SOLIDFLEX MEMBRANE 4M (G)



PHYSICAL PROPERTIES

PROPERTIES	VALUES	VALUES
Thickness (mm) / Tolerance Level	3.0 (+/- 10 ~ 16%)	4.0 (+/- 10 ~ 16%)
Mass per Unit Area (kg / m ²)	3.8 ~ 4.0	4.5 ~ 5.0
Length (m)	10.0	10.0
Width (m)	1.0	1.0
Straightness (mm)	20 mm x 10 m	20 mm x 10 m
Visible Defects	Absent	Absent
Upper Surface Finish	Grey (or colored) Natural slate flakes	Grey (or colored)
Lower Surface Finish	PE Foil	PE Foil
Coating Asphalt	Polymer modified	Polymer modified
Softening Point	Asphalt 150.00	Asphalt 150.00
R&B °C Penetration @ 25 °C (0.1 mm)	18 ~ 23	18 ~ 23
Reinforcement Polyeste, (g / m ²) GSM	250	200
Tensile Strength (L / T), (N / 5)	110 / 800	900 / 700
Elongation at Break (L / T), (%)	45 / 45	40 / 45
Shear Resistance at Joints (L / T), (N / 5)	800 / 700	700 / 600
Tear Resistance (L / T), (N / 5)	250 / 250 500 / 400	200 / 200 400 / 350
Resistance to Static Loading	25 kg	20 kg
Impact Resistance (mm)	1250 mm	1000 mm
Dimensional Stability (%)	+0.6	+0.6
Heat / Flow Resistance @120 °C	No Flow	No Flow
Water Absorption (BSP) (%)	0.20	0.20
Hydrostatic Pressure Resistance @ 5 Bar (50 mm)	No leakage	No leakage
Reaction to Fire	Class E	Class E
Water Vapor	0.01	0.01

Transmission (g / m ² / 24 hours) Resistance to Root	Passed (anti root graded only)	Passed (anti root graded only)
Growth	15 ~ 25	15 ~ 25

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.



Trusted & Certified



Find us on Social Media



solidgreentech



FACTORY OFFICE

Lot 772 (10-14), Jalan Subang 4, Kawasan Perindustrian Sg. Penaga 47620 Subang Jaya, Selangor Darul Ehsan, MALAYSIA.

+603-8081 4777 / 4776

+603-8081 4771

info@solidolutions.com.my www.solidolutions.com.my