

CIKOstick Membrane



Cold Applied Self-Adhesive Bituminous Waterproofing Membrane

Description

CIKOstick Membrane is an elastomeric self-adhesive bituminous waterproofing membrane obtained from distilled asphalt modified with elastomeric resins SBS and special additives. The membrane is reinforced by fiberglass felt. The upper surface is covered by a HDPE film and the lower surface by a siliconized film which has to be removed during the application.

Properties & Advantages

Bituminous compound

- Very good low and high temperature resistance
- Excellent self-adhesive properties
- Absolute water tightness
- Good resistance to acids and alkalis
- Resistant to static loading
- Good tensile strength and elongation
- Tear and wear resistant
- Perfect mechanical strength and performance

Physical properties

Thickness ASTM D5147	1.6 mm
Elongation at break film ASTM D882	Longitudinal: 296% Transverse: 264%
Cold Flexibility ASTM D5147	-20°C
Water Resistance ASTM D570	0.1%

Application Instructions

Surface preparation

Prior to surface preparation, a full level survey of the top surface shall be conducted. If high spots are present they shall be removed using an appropriate diamond blade floor grinder to achieve a smooth and regular surface finish that is free of grooves, ruts, and protruding aggregates.

Likewise if excessive depressions in the top surface are recorded, these shall be filled using CIKO shrinkage

compensated repair mortar. A square perimeter shall be marked around the low area and a saw cut of 10mm deep shall be applied around the entire perimeter. The surface concrete shall be broken out within the saw cut lines. The surface shall be then scrubbed to give a rough finish and the repair mortar applied in accordance with CIKO recommendations. Finishing of the repair patch shall be smooth steel floated finish. Following rectification of any undulations recorded during level survey, the required surface finish shall be obtained.

Application method

The substrate shall be primed using CIKOprimer SB (Priming coat to be applied in accordance with the manufacture recommended application). All areas to receive waterproofing within that particular application area shall be primed including all horizontal, inclined and vertical areas. Primer shall only be applied to areas that are to receive waterproofing under that particular application period.

Prior to start of application of waterproofing membrane all primed areas must be free of dust and other deleterious material. The waterproofing membrane shall be unrolled and properly aligned. The membrane shall then be lightly stretched to remove any wrinkles, then rolled back up to the middle of the sheet. Waterproofing membrane sheets shall be laid such that end overlaps of adjacent sheets are staggered and that each end overlaps is a minimum of 150mm. longitudinal edge laps shall be a minimum of 100mm.

Take off the removable non-stick film, which is divided longitudinally, in one or more sessions, taking care to also remove the selvedge present on the upper side. Always secure the sheets mechanically at the side seams and butt joints.

This should be done while gradually unrolling and at the same time pressing the membrane sheet towards the substrate to create a heat weld between the membrane and the substrate. When this section of the roll has been securely installed, the remaining part of the

membrane should be re-rolled to the point of application in the opposite direction. Roll the surfaces and in particular the joins, so as to improve the membrane's adhesion.

And then Position any discontinuous covering surfaces (slates, roof tiles, etc.).

Packaging

CIKOstick Membrane is available in 1 meter by 20 meter roll.

Shelf life

CIKOstick Membrane-1 has a shelf life of 12 months if stored in accordance with CIKO instructions.

Storage

CIKOstick Membrane-1 should be stored under enclosed shaded area at temperatures below 30°C.

The rolls are to be stored in an upright position avoiding stacking them one on top of the other to avoid possible deformations.

Technical Support

For further technical support, do not hesitate to contact CIKO team at any time as CIKO offers on and off-site services to end users, specifier and contractors.

More from CIKO Middle East

A wide range of construction chemical products are manufactured by CIKO Middle East which includes:

- Concrete admixtures and additives
- Waterproof and Damp-proof coatings
- Surface Treatments
- Walls, Flooring and Toppings
- Grouts and anchors
- Tile Adhesives and Grouts
- Concrete Repair Materials
- Adhesives and Bonding Agents
- Protective Coatings & Sealers
- Joint Sealants and Moulding compounds
- Sports Flooring
- Plastering Mortars
- Paints

Legal Notice and Warranty

CIKO warrants this product to be free from manufacturing defects and to meet the technical properties stated in the current Technical Data Sheet, if used as directed within its shelf life. Satisfactory results depend not only on quality of product but also on many factors beyond our control. CIKO makes no other warranty or guarantee, express or implied, including warranties of merchantability or fitness for a particular purpose with respect to its product. The sole and exclusive remedy of purchaser for any claim concerning this product, including but not limited to, claims alleging breach of warranty, negligence, strict liability or otherwise, is the replacement of product or refund of the purchase price, at the sole option of CIKO. Any claims concerning this product must be received in writing within one (1) year from the date of shipment and any claims not presented within that period are waived by purchaser. CIKO will not be responsible for any special incidental, consequential including lost profits or punitive damages of any kind. Purchaser must determine the suitability of the products for the intended use and assumes all risks and liabilities in connection therewith. This information and all further technical advice are based on CIKO's present knowledge and experience. However, CIKO assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights, nor shall any legal relationship be created by or arise from the provision of such information and advice. CIKO reserves the right to make any changes according to technological progress or further developments. The Purchaser of the Product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with a full application of the product(s). Performance of the product described herein should be verified by testing and carried out by qualified expert.

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All CIKO products are manufactured under a strict management system conforming to and in compliance with requirements of international standards of Quality, Environmental, occupational Health and Safety ISO 9001, ISO14001 and ISO45001.