

PRODUCT DATA SHEET

SikaBit® T-245 MGYM

ATACTIC POLY PROPYLENE (APP) MODIFIED BITUMEN-BASED WATERPROOFING MEMBRANE WITH NATURAL MINERAL GRANULES FINISH.

DESCRIPTION

This type of membrane is manufactured by modifying premium grade asphalts with atactic poly propylene and specially reinforced with non-woven polyester felt. They show excellent strength, elasticity and durability.

USES

Used as waterproofing /dam proofing membrane for protection of various substrates in wide range of applications.

- Medium to large roof slabs (domestic, commercial and industrial)
- Basements and raft slabs, exposed roofs
- Underground car parks etc.
- Bridges & Underpass

CHARACTERISTICS / ADVANTAGES

- Can be handled in warmer temperatures easily
- Requires solvent / water based primer before laying of membrane
- Minimum water absorption
- Easy to install by torching method
- Long term flexibility
- Excellent water tightness
- High tensile strength, tear and puncture resistant
- Capable of withstanding thermal and structural stresses
- Highly durable-excellent under long term aging

PRODUCT INFORMATION

Packaging	1 m x 10 m roll	
Appearance / Colour	Black membrane with mineral granules upper finish	
Shelf Life	12 months	
Storage Conditions	Rolls must be stored in their original package, in vertical position and under cool and dry conditions. They must be protected from direct sunlight, rain, snow and ice, etc.	
Visible Defects	Absent	(DIN EN 1850-1)
Length	10 m	
Width	1 m	
Effective Thickness	3.5 mm	(DIN EN 1849-1)
Straightness	20 mm x 10 m max	(DIN EN 1848-1)
Mass per Unit Area	4.5 kg/m ²	(DIN EN 1849-1)

TECHNICAL INFORMATION

Resistance to Impact	700 mm	(DIN EN 12691)
Resistance to Static Load	20 kg	(DIN EN 12730)
Tensile Strength	Longitudinal Transverse	400 N / 5 cm 300 N / 5 cm (DIN EN 12311-1)
Elongation	At break Longitudinal Transverse	35 % 35 % (DIN EN 12311-1)
Dimensional Change after Heat	0.6 %	(DIN EN 1107-1 / ASTM D 6222)
Tear Strength		
Resistance to tear (nail shank)	Longitudinal Transverse Longitudinal Transverse	130 130 250 200 (DIN EN 12310-1) (ASTM D 5147)
Joint Shear Resistance	Longitudinal Transverse	300 N / 5 cm 200 N / 5 cm (DIN EN 12317-1)
Foldability at Low Temperature	No Crack at 0 °C	(DIN EN 1109 / ASTM D 5147)
Reaction to Fire	Class E	(DIN EN 13501-1)
Flow Resistance	No flow at 120 °C	(DIN EN 52123 / DIN EN 1110)
Water Vapour Transimission	0.01 g/m ² /24 hours	(ASTM E 96)
Service Temperature	150 °C max.	(DIN EN 1427 / ASTM D 36)

APPLICATION INFORMATION

Ambient Air Temperature	+5 °C min. / +60 °C max.
Substrate Temperature	+5 °C min. / +60 °C max.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Concrete, mortar surfaces must be clean, free from grease, oil, and loosely adhering particles. Steel and iron surfaces must be free from scale, rust, grease and oil.

APPLICATION METHOD / TOOLS

Application procedure may vary slightly depending upon site conditions. However given below are general guidelines.

Apply solvent / water based primer to a clean, smooth and dry surface by brush, roller or spray. Unroll, align and re roll correctly before torching. Overlaps should be minimum 80–100 mm. Use gas burner to heat the substrate and thermo fusible film on the underside on lower face of membrane. When the thermo-fusible film melts after torching, the membrane is ready to stick. Roll forward and press firmly against the substrate to bond. Heat both the overlaps and use the round tipped trowel heating the same to smoothen

and press into seam. Side overlaps should be a minimum of 80–100 mm and end overlaps 150 mm. All angles and abutments should be sealed with extra care to ensure full bondage. The edges should be sealed well into the grooves.

The membrane should be protected from getting damaged due to on going site activities and during back-filling either by cement sand plaster or other suitable methods.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate, 71800 Nilai
Negeri Sembilan D.K., Malaysia
Phone: +606-7991762
Fax: +606-7991980
e-mail: info@my.sika.com
Website: www.sika.com.my



Product Data Sheet
SikaBit® T-245 MGY
March 2019, Version 01.01
020704410010000095

SikaBitT-245MGMY-en-MY-(03-2019)-1-1.pdf