

FIBELASTIC APP 3MM

APP modified non-woven polyester membrane

Product # 114.59

Version no: 16.11.23

Data
Tech

PRODUCT DESCRIPTION: It is five layered system with Atactic Polypropylene (APP) modified non-woven polyester reinforced weighing 160g/m² bituminous membrane for superior waterproofing. This type of membrane shows excellent tensile strength & dimensional stability. The torch side of the membrane is covered with Polyethylene film for protection of the membrane. The polymer modification of bitumen with APP results in an excellent resistance to hot & Cold temperatures.

AREAS OF APPLICATION

- Retaining Walls
- Terraces
- Podium and deck slabs

ADVANTAGE

- Reduces overall waterproofing time
- Easy to use
- Protects waterproof coatings from impact
- Easy to spray
- High Strength

APPLICATION METHODOLOGY

- Clean the surface thoroughly to make it smooth and free of any foreign material.
- Apply a coat of Bitutack Primer @ 0.3 kg per sqm and allow it to dry. In areas of high humidity, the primed surface should be left over-night.
 - On the primed surface, start laying of membrane at lowest point of the slope roof and progress to the higher point. Unroll the membrane half-way, align the side laps and fix Fibelastic APP 3 MM membranes by using a LPG torch and applying uniform pressure with a roller/wet cloth to ensure to remove entrapped air, if any.
- Flame should be moved in shape of "L" applying about 75 percent of the heat to the roll and 25 percent to the substrate including the lap area of previously installed membrane. The flame should be moved across the width and upto the lap edge while membrane is slowly unrolled and adhered to the under lying surface.
- Heat both layers of membrane at the overlap and use round tipped hot trowel to seal overlap. Excess compound should be smoothed and pressed into seam using hot trowel. Overlap joint shall be provided of 75 mm in longitudinal direction and 100 mm in transverse direction
- For UV protection on non-trafficable roof, Fibelastic APP 3 MM waterproofing membrane shall be finally coated with Fibelastic PU / Xtreme.
- For trafficable roof Fibelastic APP 3 MM Waterproofing system shall be protected with PCC dosed with Fibrex No.1 of 50mm thick / tiles loosely laid or fixed, over a separation layer of FIBFLEX GEOMAT.

TECHNICAL SPECIFICATIONS

Technical Information @ 25°C & RH 50%		
Property	Standard	Result for 3 mm
Physical Observation		Width 1m (± 1% Tolerance)
Roll Size	IS 16532	Length 10m (± 1% Tolerance)
Weight Per Sqmt	Clause 5	3.80 kg ± 5%
Appearance Observation	IS 16532 Clause 4.5	Both side PE between 10-15 micron
Penetration, dmm	IS 1203	20 ± 5
Softening Point, °C	IS 1205/ ASTM D 36	≥150
Flow Resistance, 120°C, for 2Hr	IS 13826 – Part 5	No Flow
Cold Flexibility, °C	IS 13826 Part 2/ ASTM D 5147	Does Not Crack @ -2°C
Water Absorption, %	ASTM D 5147	0.5 ± 1.0
Pressure Head Test	IS 13826 – Part 4	No Sign of leakage
Elongation, %		
Longitudinal	IS 13826 – Part 1/ ASTM D – 5147	40 ± 15
Transverse		35 ± 15

Technical Information @ 250C & RH 50%		
Property	Standard	Result for 3 mm
Tensile Strength, N / 5 cm	IS 13826 – Part 1/ ASTM D - 5147	650 + 20 400 + 20
Longitudinal		
Transverse		
Tear Strength, N	IS 13826 – Part 1/ ASTM D - 5147	450, Min 350, Min
Longitudinal		
Transverse		
Heat Resistance	IS 13826 (Part 5)	1200C, 2Hr
Dimension Stability		
Longitudinal	Measurement	+ 0.5%
Transverse		+ 0.5 %
Puncture Resistance Test		Shall Show No Sign of Puncture
Centre Core or Reinforcement	Polyester Mat	160 GSM

PACKAGING

Available in 1mX10m roll with 40kg weight per roll

STORAGE

DASHCOAT has shelf life of 12 months if stored properly in original, unopened bags between +5°C to + 40°C in dry areas.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

DISCLAIMER:

Fibrex Construction Chemicals products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex Construction Chemicals wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

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