

Proofex OFB

Fleece-backed fully bonded synthetic TPO

Uses

Provides a fullybonded waterproof membrane system for building and civil engineering structures and is particularly suited to above ground applications including green roofs

- Podiums, garden roofs, flat/sloping roofs and green roofs.

Advantages

- Adhesion to most common building materials
- Environment friendly, no VOC, no plasticisers
- High resistance to weathering and UV.
- Fast application
- Welded joints for maximum watertightness
- Excellent long terms performance

Description

TPO/FPA (Thermoplastic Polyolefin Flexible Polypropylene Alloy) membrane produced by extrusion of granules resulting from the incorporation of ethylene propylene rubber into a polypropylene matrix together with other additives as appropriate to the type of membrane. A synthetic polyester fleece is attached to the bottom part of the membrane, leaving a selvedge on both sides for welding.

The membrane is manufactured in two different colours, it is coloured grey on top and black on the underside. This helps to identify any damages that may occur during application.

Standard compliance

Independently certified performance, BBA certificate number 15/5242.



Specification

The waterproofing shall be a 1.2mm/1.5mm thick fully bonded TPO/FPA membrane with hot air welded seams.

Typical Properties

Thickness : 1.2mm , 1.5mm & 1.8mm
(EN 1849-2)

Standard Colours : Upper layer : Grey
Under side : Black

Weight per unit area : 1.2mm : 1.20
(EN1849-2)(kg/m²) : 1.5mm : 1.41

Tensile strength(ASTM D412 and EN 12311-2)
Longitudinal : 1.2mm : 16N/mm²
: 1.5mm : 17N/mm²
Transversal : 1.2mm : 16N/mm²
: 1.5mm : 18N/mm²

Elongation at break(ASTM D412 and EN 12311-2)
Longitudinal : > 700%
Transversal : > 800%

Puncture resistance : Pass test > 2000mm
(EN 12691 dynamic)

Water impermeability : Pass test
(EN 1298)

Water vapour transmission : Nil
(ASTM 96)

Tear resistance(EN 12310-1)
Longitudinal : 1.2mm:690N
: 1.5mm:820N
Transversal : 1.2mm:750N
: 1.5mm:800N

Root resistance : Pass test-no penetration
(FLL)

Lap joint strength : Pass test-broken out joint
(EN 12317 and UEATc)

Durability : Pass test - 2500 hrs
Resistance UV : - no Crack
(EN1297)

Hail resistance : >26m/s
(EN13583)

Resistance to : Pass test - Level 2
Micro-organism(EN846)

Suitable for use in : Pass test
contact with potable
water (BS6920)

Note: The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary, dependent on actual site conditions.

Proofex OFB

Instructions for use

Surface preparation

Surfaces should be free from cavities and projecting nibs. All surfaces shall be free from running water. Refer to method statement for further details.

Adhesive

Apply Proofex OFB adhesive by scraper or roller at coverage rate to suit substrate, typically approximately 0.2kg/m². Leave for 5 to 10 minutes

Membrane

Lightly moisten the Proofex OFB membrane on the fleece side to improve the initial bond strength, then roll the membrane into the adhesive before skin formation, and press firmly, press again after 30 minutes if required. A selvedge is provided along both edges of the membrane. The membrane layers are overlapped at the selvedge to achieve a minimum weld of 50mm. At roll ends, the membrane is butted together and a 100mm wide strip of Fosroc OGP welded on top of the Proofex OFB membrane.

For corner detailing use Proofex OGP Internal/External corner pieces.

For upstand terminations use Proofex Metal Strip.

For additional details on installation including relevant fixings and washers and a list of Fosroc approved applicators refer to your local Fosroc office.

Storage

Proofex OFB must be stored in a cool, dry store in the original upopened packaging.

Store rolls horizontally, not more than one pallet high.

Precautions

Health and Safety

There are no health hazards associated with the use of Proofex OFB. For information associated with Proofex OFB Adhesive please consult the relevant MSDS.

Fire

Proofex OFB is non flammable

Supply

Proofex OFB : 2.1m wide x 25m long rolls
(1.2mm and 1.5mm)

Proofex OFB Adhesive	20kg pail
(Coverage rates approx 0.2kg/m ²)	

Proofex Metal Strip	1m x 2m sheets
1.2mm thick	1m x 3m sheets

Proofex OGP	Each	Corner pieces
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Fosroc Chemicals (India) Pvt. Ltd.

Head Office

Embassy Point, No. 150,
2nd Floor, Infantry Road,
Bangalore 560 001,
Karnataka

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telephone

+91 80-42521900

fax

+91 80-22281510

e-mail

enquiry.india@fosroc.com

Regional Offices

Chennai

Hills Centre, Old No 5,
New No 9, 3rd Cross Street,
Jeth Nagar, Raja Annamalaipuram,
Chennai 600 028.
Ph: 9500064795

Mumbai

MBC Park, 12th floor, Office No.12B,
'D' Block, Near G Corp/Hyper City
Kasarwadawali, Ghodbunder Road,
Thane (West) 400 615
Ph: +91 22 6229 6800

Noida

Unit No. 601, Highway Tower-II
A-13/2, 6th Floor, Sector- 62
Gautam Buddha Nagar,
Noida 201 309, Uttar Pradesh
Ph: +91 120 6121900
Fax: 0120-4270622

Kolkata

304, Jodhpur Park
Kolkata 700 068
Ph: +91 33-65343188
Fax: 033-2499-0278