

Fosroc® Proofex OFB

Fleece-backed fully bonded synthetic TPO waterproofing membrane

Uses

Provides a fully bonded 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
- Resistance to root penetration
- Fast application
- Welded joints for maximum watertightness
- Excellent long term 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.

Specification

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

Typical properties

Thickness (EN 1849-2)	1.2mm and 1.5mm
Standard colour	Upper layer: Grey Underside: Black
Weight per unit area (EN1849-2) (kg/m ²)	1.2mm: 1.20 1.5mm: 1.41
Tensile strength (ASTM D412 and EN12311-2)	
Longitudinal	1.2mm: 16N/mm ² 1.5mm: 17N/mm ²
Transverse	1.2mm: 16N/mm ² 1.5mm: 18N/mm ²
Elongation at break (ASTM D412 and EN12311-2)	
Longitudinal	>700%
Transverse	>800%
Puncture resistance (EN12691 dynamic)	Pass test >2000mm
Water impermeability (EN1298)	Pass test
Water vapour transmission (ASTM 96)	Nil
Tear resistance (EN12310-1)	
Longitudinal	1.2mm: 690N 1.5mm: 820N
Transverse	1.2mm: 750N 1.5mm: 800N
Root resistance (FLL)	Pass test – no penetration
Lap joint strength (EN12317 and UEATc)	Pass test - broken out joint
Durability Resistance UV (EN1297)	Pass test 2500hrs – no crack

Issued July 2011



Important note

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Fosroc® Proofex OFB

Hail resistance >26m/s
(EN13583)

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

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

Instruction for use

Surface preparation

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

Adhesive

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

Membrane

Lightly moisten the Fosroc 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 selvage is provided along both edges of the membrane. The membrane layers are overlapped at the selvage to achieve a minimum weld of 50mm. At roll ends, the membrane is butted together and a 100mm wide strip of Fosroc Proofex OGP welded on top of the Fosroc Proofex OFB membrane.

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

For upstand terminations use Fosroc 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

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

Store rolls horizontally, not more than one pallet high.

Precautions

Health and Safety

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

Fire

Fosroc Proofex OFB is non flammable.

Supply

Proofex OFB (1.2mm and 1.5mm)	2.1m wide x 25m long rolls
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Proofex OFB Adhesive (Coverage rates approx 0.2kg/m ²)	20kg pail
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Proofex Metal Strip 1.2mm thick	1 m x 2m sheets 1 m x 3m sheets
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Proofex OGP Corner pieces	Each
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