



constructive solutions

Fosroc Proofex OGP

Loose laid Synthetic TPO waterproofing membrane

Uses

Provides a continuously loose laid waterproof membrane system for building and civil engineering structures that include:

- Podiums, parking decks, flat roofs and garden roofs waterproofing.
- Basement waterproofing (below ground applications).
- Lining of ponds, canals, reservoirs and landfills.

Advantages

- Environment friendly, no VOC, no plasticisers, non toxic.
- Cold applied.
- High resistance to weathering and UV.
- Resistance to root penetration.
- Fast application.
- Welded joints for maximum water-tightness.
- No separation layers required on to EPS.
- Excellent long term performance.
- Approved for use in contact with potable water.

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.

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 membrane shall be a 1.2mm/1.5 mm thick loose laid TPO / FPA membrane with hot air welded seams.

Typical properties

Thickness (EN 1849-2):	1.2mm and 1.5mm
Standard Colours:	Upper layer: Grey Underside: Black
Weight per unit area (EN1849-2) @ (kg/m²):	1.2mm: 1.04 1.5mm: 1.32
Tensile Strength (ASTM D412 and EN 12311-2)	
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 EN 12311-2)	
Longitudinal:	>700 %
Transverse:	>800 %
Puncture Resistance (EN1269/B - dynamic):	Pass test >1000mm
Water Impermeability (EN 1928):	Pass test
Water Vapour Transmission (ASTM 96):	Nil
Tear Resistance (EN 12310-1)	
Longitudinal:	1.2mm: 400N 1.5mm: 540N
Transverse:	1.2mm: 415N 1.5mm: 560N
Root Resistance (FLL):	Pass test – no penetration
Lap joint strength (EN 12317 and UEATc):	Pass test – broken out joint
Durability Resistance UV (EN 1297):	Pass 2500 hours – no cracks
Hail resistance (EN 13583):	>26 m/s
Resistance to Micro-organism (EN 846):	Pass test – Level 2
Suitable for use in contact with Potable Water (BS6920):	Pass test

Instruction for use

Surface preparation

Surface should be free from cavities and projecting nibs. All surfaces shall be free from running water.

Application

“Refer to the method statement for details”

The membrane layers are overlapped to achieve a minimum weld of 50mm. Hot air welding can be either hand applied or by means of automatic machines.

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

For upstand terminations use Fosroc Proofex Metal Strip.

For vertical detailing use Fosroc Proofex OGP Adhesive.

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 OGP 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 OGP.

For further information, please consult Material Safety Data Sheets for the above product.

Fire

Fosroc Proofex OGP is non flammable.
Fosroc Proofex OGP Adhesive is highly flammable.

Supply

Proofex OGP (1.2mm and 1.5mm):	2.10m wide x 25m long rolls
Proofex OGP Adhesive	20kg pail (Coverage rates: approx 0.4-0.6kg/m ²)
Proofex Metal Strip (1.2mm thick):	1m x 2m sheets 1m x 3m sheets
Proofex OGP Corner pieces:	Each

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Fosam Company Limited

Head Office
Post Box 11081
Jeddah - 21453
Saudi Arabia

www.fosroc.com

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Telephone: +966 2 637 5345

Fax: +966 2 637 5891

email: fosam@fosroc.com

Regional Offices

Jeddah Sales Office	Tel: (02) 608 0999	Fax: (02) 638 0693	Yanbu	Tel: (04) 322 4280	Fax: (04) 391 2980
Jeddah Showroom	Tel: (02) 665 0187	Fax: (02) 667 4844	Makkah	Tel: (02) 542 0869	Fax: (02) 542 0869
Riyadh	Tel: (01) 482 9303	Fax: (01) 482 7562	Medinah	Tel: (04) 855 0091	Fax: (04) 855 0047
Dammam	Tel: (03) 814 1282	Fax: (03) 814 1581	Jubail	Tel: (03) 362 3904	Fax: (03) 362 3875
Khamis Mushayt	Tel: (07) 250 0469	Fax: (07) 250 0469	CSD	Tel: (02) 608 0999	Fax: (02) 638 0693

Registered Office: Industrial Area, Phase 4, Road No. 414, Street No. 407