

Loose laid reinforced TPO waterproofing membrane

Uses

Provides a continuously loose laid waterproof membrane for building and civil engineering structures.

- Podiums, parking decks, flat roofs and garden roofs waterproofing.
- Below ground waterproofing.

Advantages

- Environment friendly, no VOC, no plasticisers, non toxic.
- Cold applied.
- Reinforced grade to achieve aesthetically pleasing finish.
- High resistance to weathering and UV.
- Resistance to root penetration.
- Fast application.
- Welded joints for maximum watertightness.
- 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) reinforced 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 coloured layers, it is coloured signal layer on top and black layer on the underside. This helps to identify any damages that may occur during application

Specification

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

Typical Properties

Thickness (EN 1849-2) : 1.2mm and 1.5 mm

Standard Colours : Grey & White

Tensile strength (ASTM D412 and EN12311-2)

Longitudinal : 1.2mm: 722N/50mm
1.5mm: 714N/50mm

Transversal : 1.2mm: 613N/50mm
1.5mm: 602N/50mm

Elongation at break (ASTM D412 and EN12311-2)

Longitudinal : >1000%

Transversal : >950%

Puncture resistance

(ASTM E 154:93)

Maximum Load : ≥ 700N

Water impermeability

(BSEN 12390 P8)

: No penetration

@ 5 bar water pressure

Water vapor transmission(g/h-m²)

(ASTM 96)

: Nil

Tear resistance

(ASTM D624)

Longitudinal : ≥ 70N/mm

Transversal : ≥ 70N/mm

Lap joint strength : ≥ 400 N/5cm

(welded) UEATc

Hail resistance : > 26 m/s

(EN 13583)

Resistance to artificial : Pass 2500 hrs no crack

weathering UV resistance

(EN 495-5)

Root resistance (FLL) : No penetration

Resistance to Micro-organism: Pass, resistant

(EN 846 Liv2)

Suitable for use in

contact with Potable water : Pass

(BS 6920: Part 2.6: 2000)

SRI Value(White grade) : White 99

Fosroc Proofex ORG

Instructions 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 details.

Application

The membrane layers are overlapped to achieve a minimum weld of 50mm.

For corner detailing, Fosroc Proofex OGP Internal/External corner pieces are available.

For upstand termination detailing, Fosroc Proofex OGP Metal Strips are available.

For vertical detailing use Fosroc Proofex OGP adhesive.

Hot air welding can be either hand applied or by means of automatic machines.

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

Estimating

Supply

Proofex ORG : 25 m long x 2.10 m wide roll

Proofex OGP Adhesive : 20kg pail
(Coverage rates approx 0.4-0.6kg/m²)

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

Proofex OGP Corner pieces : Each

Storage

All products have a shelf life of 20 years. Store horizontally, not more than one pallet high.

Precautions

Health and safety

There are no health hazards associated with the use of Proofex ORG.

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

Fire

Proofex ORG is non flammable.



Fosroc & Proofex are trademarks of Fosroc International Limited



Al Gurg Fosroc LLC

Post Box 657, Dubai
United Arab Emirates

www.fosroc.com

Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.**

Head Office

telephone: (+9714) 2039699

fax: (+9714) 2859649

email: agf@fosroc.com

Regional offices

Abu Dhabi, Al Gurg Fosroc
Bahrain, YBA Kanoo
Kuwait, Boodai
Oman, Al Amana

telephone: 673 1779
telephone: 17738200
telephone: 4817618
telephone: 24815080

fax: 673 1449
fax: 17732828
fax: 4832124
fax: 24817554

email: abudhabi@fosroc.com
email: bahrain@fosroc.com
email: kuwait@fosroc.com
email: oman@fosroc.com

