

Loose laid synthetic TPO waterproofing membrane

Uses

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

- Podiums, parking decks, flat roofs and garden roofs waterproofing.
- Basement waterproofing.
- Lining of ponds, water tanks, 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 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) 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 1.5mm or 2mm thick Loose laid TPO/FPA membrane with hot air welded seams.

Typical Properties

Thickness (EN 1849-2) : 1.5mm & 2mm

Standard Colours : Black - Grey

Tensile strength (ASTM D412)

Longitudinal : > 8N/mm²

Transversal : > 8N/mm²

Elongation at break (ASTM D412)

Longitudinal : > 600%

Transversal : > 600%

Puncture resistance (ASTM E 154:93)

Maximum Load : > 500N

Water impermeability (BSEN 12390 P8)

: No penetration @ 5 bar pressure

Water vapor transmission(g/h-m²)

(ASTM 96) : Nil

Tear resistance (ASTM D624)

Longitudinal : > 65N/mm

Transversal : > 65N/mm

Lap joint strength (welded) UEATc : > 500 N/5cm

Hail resistance (EN 13583)

: > 26 m/s

Resistance to artificial weathering UV resistance (EN 495-5)

: Pass 2500 hrs no crack

Resistance to Micro-organism (EN 846 Liv2)

: Pass, resistant

Root resistance (FLL)

: No penetration

Suitable for use in contact with Potable water (BS 6920: Part 2.6: 2000)

: Pass

Fosroc Proofex OGP

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.

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 OGP : 25 m long x 2.10 m wide roll

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 OGP.

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

Fire

Proofex OGP is non flammable.

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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
Qatar, Tadmur

telephone: 673 1779
telephone: 17738200
telephone: 4817618
telephone: 24815080
telephone: 4432365

fax: 673 1449
fax: 17732828
fax: 4832124
fax: 24817554
fax: 4419517

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

