

Loose laid reinforced 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, canals, reservoirs and landfills.

Advantages

- Environment friendly, no VOC, no plasticisers, non toxic.
- Cold applied.
- Reinforced grade to achieve aesthetically pleasing finish.
- High resistance to weathering and UV.
- Fast application
- Welded joints for maximum watertightness
- No separate layers required on to EPS.
- Excellent long term performance

Standard compliance

Independently certified performance, BBA certificate number 15/5242.



Description

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

Typical Properties

Thickness(1) (EN 1849-2)	:	1.2mm & 1.5 mm
Standard Colours(2)	:	Black - Grey
Weight per unit area (EN 1849-2)	:	1.2mm : 1.05 1.5mm : 1.33
Tensile strength (ASTM D412)		
Longitudinal	:	> 9N/mm ²
Transversal	:	> 9N/mm ²
Elongation at break (ASTM D412 and EN 12311-2)		
Longitudinal	:	>1000%
Transversal	:	>950%
Puncture resistance (EN 12691 dynamic)	:	Pass test > 1000mm
Water impermeability (EN 1298)	:	Pass test
Water impermeability (EN 12691 dynamic)	:	Passout
Water vapour transmission (ASTM 96)	:	Nil
Tear resistance (EN 12310-1)		
Longitudinal	:	1.2mm - 470N
	:	1.5mm - 530 N
Transversal	:	1.2mm - 530 N
	:	1.5mm - 600 N
Root resistance	:	Pass test - no penetration
Lap joint strength (EN 12317 and UEATc)	:	Pass test-broken out joint
Duarability	:	Pass test 2500hrs -
ResistanceUV(EN1297)	:	no crack
Hail resistance (EN 13583)	:	>26m/s
Resistance to Micro organism (EN846)	:	Pass test - Level 2
Suitable for use in contact: with potable water (BS6920)	:	Pass test

Proofex ORG

Instructions for use

Surface preparation

Surfaces should be free from cavities and projecting nibs. All surfaces shall be dry and free from frost, surface laitence and contamination.

Application

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.

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

Estimating

Supply

Proofex ORG : 25m long x 2.10 m wide rolls
(1.2mm & 1.5mm)

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

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

Proofex OGP : Each

Corner pieces

Storage

All products have a shelf life of 12 months if stored in a cool, dry store, away from sources of heat, in the original unopened packing. It should be stored 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



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