

## Loose laid synthetic TPO waterproofing membrane

### Uses

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

- Podiums, packing 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.
- High resistance to weathering and UV.
- Fast application
- Welded joints for maximum watertightness
- No separation layers required on to EPS.
- Excellent long terms performance

### Standard compliance

Independently certified performance, BBA certificate number 15/5242



### Description

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

### Typical Properties

Thickness(1) (EN 1849-2)	: 1.2mm & 1.5mm
Standard Colours(2)	: Upper layer : Grey Under side : Black
Weight per unit area	1.2mm : 1.04 1.5mm : 1.32
Tensile strength(ASTM D412 and EN 12311-2)	
Longitudinal	: 1.2mm : 16N/mm <sup>2</sup> : 1.5mm : 17N/mm <sup>2</sup>
Transversal	: 1.2mm : 16N/mm <sup>2</sup> : 1.5mm : 18N/mm <sup>2</sup>
Elongation at break(ASTM D412 and EN 12311-2)	
Longitudinal	: > 700%
Transversal	: > 800%
Puncture resistance (EN 12691 dynamic)	Pass test > 1000mm
Water impermeability (EN 1298)	: Pass test
Water vapour transmission (ASTM 96)	Nil
Tear resistance(EN 12310-1)	
Longitudinal	: 1.2mm:400N 1.5mm:540N
Transversal	: 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
Duarability	Pass test - 2500 hrs
Resistance UV (EN1297)	- no Crack
Hail resisstance (EN13583)	>26m/s
Resistance to Micro-organism(EN846)	Pass test - Level 2
Suitable for use in contact with potable water (BS6920)	Pass test

## 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 installtion and a list of Fosroc approved applicators refer to your local Fosroc office.

## Estimating

### Supply

Proofex OGP : 2.1m wide x 25m long rolls  
(1.2mm and 1.5mm)

Proofex OGP Adhesive 20kg pail  
(Coverage rates approx  
0.4-0.6kg/m<sup>2</sup>)

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 12 months if stored in a cool, dry store, away from sources of heat, in the original upnopened packing. It should be stored hozirontally, 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