

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.
- 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.
- 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 (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 (EN 1849-2)	: 1.5 mm
Standard Colours	: Black - Grey
Tensile strength (ASTM D412)	
Longitudinal	: > 9N/mm ²
Transversal	: > 9N/mm ²
Elongation at break (ASTM D412)	
Longitudinal	: > 650%
Transversal	: > 650%
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 (welded) UEATc	: > 400 N/5cm
Hail resistance (EN 13583)	: > 26 m/s
Resistance to artificial weathering UV resistance (EN 495-5)	: Pass 2500 hrs no crack
Root resistance (FLL)	: No penetration
Resistance to Micro-organism (EN 846 Liv2)	: Pass, resistant

Fosroc 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	: 25 m long x 2.10 m wide roll
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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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