

Proofex PGP

Loose laid PVC waterproofing membrane

Uses

Provides a continuously loose laid waterproof membrane system for building and civil engineering structures and is particularly suited to below ground construction.

- Basement waterproofing
- Tunnel waterproofing
- Reservoirs, lakes and canal waterproofing

Advantages

- Good resistance to puncturing
- Resistance to root penetration.
- Fast application
- Welded joints for maximum watertightness
- Suitable for waterproofing basements grades 2, 3 and 4 as defined in BS 8102 : 2009 & IS 16471 : 2017 - code 'Protection Of Structures Against Water From The Ground.

Description

Flexible PVC synthetic membrane for the waterproofing of tunnels and below ground structures.

The membrane is manufactured in two different colours, it is coloured light 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 2mm thick loose laid PVC membrane with hot air welded seams.

Typical Properties

Thickness(l) (EN 1849-2)	: 1.5mm & 2mm
Standard Colours(2)	: Black - Light grey
Tensile strength (ASTM D412)	
Longitudinal	: >16.5 N/mm ²
Transversal	: > 15 N/mm ²
Elongation at break (ASTM D412)	
Longitudinal	: >300%
Transversal	: >300%
Puncture resistance (ASTM E 154:93)	
Maximum Load	: 1.5mm - 2.6 KN 2.0mm - 3.0 KN

Water impermeability (BSEN 12390 P8)	: No penetration @ 5 bar pressure
Tear resistance (ASTM D624)	
Longitudinal	: 1.5mm - 438 N : 2.0mm - 612 N
Transversal	: 1.5mm - 417 N : 2.0mm - 602 N
Lap joint strength (welded) UEATc	: >1000N/5cm (Broken out joint)
Cold flexibility (EN 495 - 5 at < -3°C)	: Pass

Note: The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary, dependent on actual site conditions.

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 PGP : 25m long x 2.10 m wide roll

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

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

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Important note :

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