

## 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

### 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(1) (EN 1849-2)	: 1.5mm & 2mm
Standard Colours(2)	: Black - Light grey
Tensile strength (ASTM D412)	
Longitudinal	: >16.5 N/mm <sup>2</sup>
Transversal	: > 15 N/mm <sup>2</sup>
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 : Pass  
(EN 495 - 5 at < -3°C)

### 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.

#### Fire

Proofex PGP is non flammable

# Proofex PGP

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**FRANKLIN FLOOR TECH**  
**OFFICE ADDRESS ADDRESS:**  
**HOUSE# 553, SHAHINBAG, TEJGAON, DHAKA 1215, BANGLADESH.**  
**PHONE: 01715-289292 E-MAIL:CHASHIMASUM@GMAIL.COM,**  
**WEBSITE : WWW.FRANKLIN.COM.BD**