



### Loose laid PVC waterproofing membrane Uses

Provides a continuously loose laid waterproof membrane system for tunnel & basement structures.

### Advantages

- Cold applied
- Good resistance to puncturing
- Fast application
- Hot air welded joints for maximum watertightness
- High flexibility in cold temperatures

### Description

Flexible PVC synthetic membrane for the waterproofing of tunnels and basements.

The membrane is manufactured with a grey signal layer to help identify any damages that may occur during application.

### Specification

The waterproofing shall be a 1.5mm/2mm/3mm thick loose laid PVC membrane with hot air welded seams.

### Typical properties

Thickness 1.5mm, 2mm, 3mm  
(EN 1849-2)

Standard colour Signal layer: Grey Underside: Black

Tensile strength (EN ISO 527)	
Longitudinal	1.5mm : 20N/mm <sup>2</sup> 2.0mm : 17N/mm <sup>2</sup> 3.0mm : 18N/mm <sup>2</sup>
Transverse	1.5mm : 17N/mm <sup>2</sup> 2.0mm : 16N/mm <sup>2</sup> 3.0mm : 16N/mm <sup>2</sup>

Elongation at break (EN ISO 527)

Longitudinal	>300%
Transverse	>300%

Puncture resistance (EN12236)	3.0mm : >3.7KN
	2.0mm : 2.9KN
	1.5mm : 1.9KN

Water impermeability (DIN 16726)	No leaks at 6bar/72hr
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Tear strength (EN ISO 34)	1.5mm : >49KN/m
	2.0mm : >45KN/m
	3.0mm : >45KN/m

Cold flexibility at -20°C (DIN 16726)	No cracks
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Root resistance (EN 14416)	Pass test – no penetration
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Behaviour in fire (ISO 11925)	Class E
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### Instruction for use

#### Surface preparation

Surfaces should be free from cavities and projecting nibs. All surfaces shall be free from running water. Refer to the method statement for further details

#### 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. Refer to Fosroc for further advice.

For vertical applications, weld Fosroc Proofex PGP Fitters to the Fosroc Proofex Alkorplan 35041 membrane.

Fosroc Proofex PGP Fitters are 80mm diameter PVC ribbed discs.

# Fosroc® Proofex Alkorplan 35041

(formerly known as Proofex PGP)

For waterstop compartment systems use Fosroc Proofex PGP Flanges connected to hoses, which will allow future resin injection if required.

Fosroc Proofex PGP Flanges are 182mm diameter PVC flanges with a connector pipe. Compartments are created using Fosroc Supercast Rearguard waterstops and wherever required Supercast Predimax Injection Hose is used.

For protection of backfilling materials use Fosroc Proofex Alkorplan 35020 black protective sheet.

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

## Limitations

If left exposed to heat, direct sunlight or UV light a change of colour may result.

## Storage

Fosroc Proofex Alkorplan 35041 must be stored in a cool, dry store away from sources of heat in the original unopened packaging. Store rolls horizontally, not more than one pallet high.

## Precautions

### Health and Safety

For further information, please consult MSDS.

### Fire

Fosroc Proofex PGP, Fitters and Flanges are non- flammable.

## Supply

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Proofex Alkorplan 35041  
(all thicknesses) 2.15m wide x 25m long rolls

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Proofex PGP Fitter each

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Proofex PGP Flange each

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### Important note

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