

# Proofex GP

Polyethylene finished cold applied adhesive backed waterproof sheet membrane

## Uses

To provide a continuously bonded waterproof membrane for building and civil engineering structures.

## Advantages

- Cold applied
- Fast application
- Uniform thickness of polymer bitumen membrane
- Good adhesion to primed concrete substrates
- Produces a continuous waterproof membrane

## Description

Proofex GP is a cold applied adhesive sheet membrane comprising a polymer modified bitumen layer onto an upper surface of polyethylene film.

The polymer bitumen adhesive layer is protected on the underside by a silicone release which is removed just prior to the application of Proofex GP to the primer primed substrate. The applied membrane is then immediately protected from UV light and from mechanical damage during subsequent back filling by the proper protection material recommend by Fosroc or a sand/cement screed.

## Technical support

Fosroc offers a comprehensive range off high performance, high quality concrete repair and construction products. In addition, Fosroc offers a technical support package to specifiers, and-users and contractors, as well as on-site technical assistance in locations all over the world.

Properties and specifications

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Property	Test Method	Typical Result
<b>Roll size</b>		15 LM x 1 metre
<b>Nominal thickness</b>	UEAtc	1.6 mm
<b>Nominal roll weight</b>	UEAtc	23 kg
<b>Tensile strength</b>	ASTM D412	Long 313 N/5cm
<b>Elongation of membrane</b>	ASTM D638:1991	Long 250% Trans 200%
<b>Elongation of compound</b>	ASTM D412	>2000%
<b>Tensile strength (Film)</b>	ASTM D882-95a	72 N/25mm
<b>Tear resistance</b>	ASTM D1004:1990	Long 270N/mm Trans 225N/mm
<b>Adhesion to concrete</b>	ASTM D1000	2.2 N/mm <sup>2</sup>
<b>Adhesion to self</b>	ASTM D1000	3.5 N/mm <sup>2</sup>
<b>Puncture resistance</b>	ASTM E 154:1993	Min 400 N
<b>Water absorption @24hrs</b>	ASTM D570	<0.02%
<b>Water permeability</b>	DIN 1048:pt5:1991	Null
<b>Water Vapour Transmission</b>	ASTM E96	0.2g.24hr/m <sup>2</sup>
<b>Resistance to hydrostatic pressure</b>	DIN 1048	56PSI, 47m
<b>Tape Strength</b>	ASTM D638:1991	Long 4.3 N/m <sup>2</sup> Trans 5.8 N/m <sup>2</sup>
<b>Crack bridging</b>	ASTM C836:1995	1.6 mm
<b>Environmental resistance</b>	ASTM D543	Conforms

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## Application Instructions

Concrete surfaces should be float finished and free from cavities and projecting nibs. All surfaces shall be free from frost, dry and free from surfaces laitance and contamination.

Proofex Primer must be applied to the substrate and allowed to dry tack free, prior to the application of the membrane. All surfaces must be re-primed if left for more than 24 hours prior to the application of Proofex.

The membrane should be applied to the substrate having first removed the silicone release paper, pressing the polyethylene film firmly ensuring that the adhesive bitumen compound bonds continuously to the substrate with no airpockets.

Allow a 75 mm. overlap at the edges of the membrane and 150 mm. overlap at the ends and press or roll the overlaps ensure a positive watertight bond.

All overlaps on vertical or inclined surfaces must be carried out to produce "Weathered Overlaps".

For proper angle fillets should be made for the smooth transition at wall/floor slab junctions and internal and external corners at wall and upstands pre-protected with Proofex Internal/External Neoprene Corner Pieces prior to the application of the membrane.

The membrane should be protected immediately after application in accordance with BS 8102:1990 by the proper protection material, or as appropriate with a sand/cement screed.

For application below 15°C it may be necessary to slightly warm the back of the membrane to achieve an immediate bond. In cooler and cold conditions the membrane should be stored at temperatures above 20°C prior to application to facilitate ease of application and immediate bond to the substrate.

## Precautions

### Proofex Primer

Flammable. Keep away from sources of ignition. No smoking. Harmful by inhalation, in contact with skin and if swallowed.

Avoid contact with skin and eyes and inhalation of vapour. Wear suitable protective clothing, gloves and eye/face protection. Use only in well ventilated areas.

Material Safety Datasheets are available to customers on request.

For further information about products, training videos or publications, contact the local Fosroc office.

**Proofex is trademark of Fosroc International Limited.**



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