

Cold applied bituminous waterproofing membrane

Uses

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

Advantages

- 1.6mm thick (Nominal).
- Cold applied.
- Fast application.
- Uniform thickness of polymer bitumen membrane.
- Good adhesion to primed concrete substrates.
- Produces a continuous waterproof membrane system.

Description

Proofex GP is a cold applied self-adhesive sheet membrane comprising of a polymer modified bitumen layer internally reinforced, bonded on to an outer surface of polyethylene film.

The polymer bitumen adhesive layer is protected on the underside by a silicone release paper which is removed just prior to the application of Proofex GP to the tack coat primed substrate.

The applied membrane is then immediately protected from UV light and from mechanical damage during subsequent back filling by the application of Protection Board, or a sand/cement screed.

Specification

The waterproofing membrane shall be a 1.6mm thick self adhesive sheet membrane comprising of a polymer modified bitumen layer internally reinforced, bonded on to an outer surface of polyethylene film.

Technical support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. It is also able to offer on-site technical assistance, an AutoCAD facility and dedicated specification assistance in locations all over the world.

Typical Properties

Tear resistance (ASTM D4073)	: Long 275 N Trans 300 N
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Adhesion to concrete (ASTM D1000)	: >1.8 N/mm
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Adhesion to self (ASTM D1000)	: >1.8 N/mm
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Puncture Resistance (ASTM E154:1993)	: Min 225 N
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Water absorption (ASTM D570)	
@ 24hrs	: <0.15%
@ 35 days	: <0.9%

Water permeability (DIN 1048:pt5:1991)	: Nil
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Crack bridging (ASTM C836:1995)	: 1.5mm
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Environmental Resistance (ASTM D543)	: Conforms
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Adhesive Softening point (ASTM D36)	: >105° C
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Tested during manufacturing process

Moisture Vapor Transmission Rate (ASTM E96)	: <0.3g/m ² 24hrs
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Instructions for use

Surface preparation

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

Priming

Proofex Tackcoat or Proofex Tackcoat WB must be applied to the substrate and allowed to dry until it is 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 GP. The use of Proofex Tackcoat WB is encouraged since it is water based. However for the substrate conditions above 35°C solvent based primer is recommended

Application

Smooth transition should be made at wall/floor slab junctions using a sand/cement mortar and internal and external corners at walls and upstands pre-protected with Proofex Corner Pieces prior to the application of the membrane.

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

Fosroc Proofex GP

Allow at least a 75mm edge and a 150mm end lap. All laps should be rolled firmly to achieve a good seal. End laps should be staggered.

On vertical or inclined surfaces, the membrane shall be laid from the lowest level upwards.

The membrane should be protected immediately after application in accordance with BS 8102:1990 by using Protection Board[†], or as appropriate with a sand/cement screed.

Limitations

Application temperature range: 5°C - 50°C.

For application below 15°C it may be necessary to slightly warm the back of the membrane to achieve an immediate bond. In 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.

Estimating

Supply

Proofex GP	:	15 m long x 1m wide roll
Proofex Tackcoat	:	20 and 200 litre drums
Proofex Tackcoat WB	:	20 and 200 litre drums

Coverage

Proofex Tackcoat	:	3-6m ² per litre
Proofex Tackcoat WB	:	3-6m ² per litre

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 un-opened 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 GP and Protection Board.

If Proofex Tackcoat or Proofex Tackcoat WB is swallowed, **do not** induce vomiting - drink a glass of water. If contact with eyes occurs, flood with copious amounts of clean water for at least 15 minutes and seek medical advice. If on the skin, remove any contaminated clothing and wash skin thoroughly.

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

Fire

Proofex Tackcoat contains volatile, flammable solvents. Use in ventilated areas, well away from any ignition source. do not smoke in the presence of this product.

Flash points

Proofex Tackcoat	:	> 38°C
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* Denotes the trademark of Fosroc International Limited

† See separate data sheet



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Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. **All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.**

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