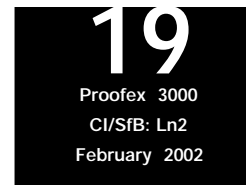


Proofex 3000



High performance waterproofing membrane for basements and structures

Uses

A high performance self adhesive membrane for a range of waterproofing applications including basements and substructures. Proofex 3000 provides a vapour and waterproof membrane to water excluding structures and protects concrete from attack by aggressive ground salts.

Advantages

- Cross-laminated HDPE film for protection against damage resistance and dimensional stability
- Combines toughness with flexibility for detailing around corners
- Peel-off selvages enable clean dry jointing of bitumen to bitumen edge laps
- Self adhesive layer system makes installation quick, simple and reliable
- Resistant to ground water, soluble sulphates and chlorides
- Suitable for waterproofing basements grades 2, 3 and 4 as defined in BS 8102 :1990, 'Protection Of Structures Against Water From The Ground'
- Complies to BS 6920 : 1996 - Water Regulations Advisory Service

Description

Proofex 3000 is a cold applied, flexible waterproof high performance membrane incorporating a HDPE carrier film with a polymer modified bitumen compound.

Standards compliance

Drinking Water Inspectorate Regulation 25(1)b of the Water Supply (Water Quality) Regulations 1989.

Design criteria

Proofex 3000 should be laid in accordance with the provisions of BS 8102 :1990.

All wall/floor intersections and internal/external angles should be reinforced with Proofex Engage Detail Strip or 300 mm wide strips of Proofex 3000 membrane.

Where possible, a 25 mm chamfer should be provided to all external angles prior to the application of the reinforcing strip.

Where Proofex 3000 is being used as a floor DPM there, should be continuity with wall DPCs and other DPMs used in the structure.

Proofex 3000 should be protected using Proofex Protection Board before covering with back-fill or concrete.

If methane presence is suspected, a comprehensive site survey needs to be carried out. Refer to Proofex 3000MR datasheet for further information.

Technical support

Fosroc offers a comprehensive range of high performance, high quality construction products. In addition, Fosroc offers a technical support service to specifiers, end-users and contractors, which includes Computer Aided Design as well as on-site technical assistance.

Typical properties

Membrane thickness	1.5 mm
Adhesion to primed concrete (ASTM D1000)	4.9 N/mm
Puncture resistance (ASTM E154)	262 N
Tear resistance (DIN 53363)	
Longitudinal	71 N
Transverse	88 N
Water vapour permeability (ASTM E96)	0.05 g/m ² /hr
Water absorption (ASTM D570)	0.09 %
Hydrostatic test (DIN52123)	>6 bar (24hour)

Application instructions

Surface preparation

All concrete surfaces must be a wood float or shutter finish and free from cavities or projections.

All surfaces must be clean, dry and free from contamination, ice and frost.

Priming

Vertical and suspended slab surfaces shall be primed with Proofex Primer. Ensure complete coverage and allow to dry. Only prime an area to which the Proofex 3000 can be applied the same day. Very porous surfaces may require more than one coat of primer.



Angle and corner details

Use Proofex Angle Fillet strips fixed using 6 mm beads of Plastiseal at all wall to floor junctions.

At internal and external corners use Proofex Corner Pieces fixed using Plastiseal.

All internal and external angles should be reinforced with Proofex Engage Detail Strip or a 300 mm wide strip of Proofex 3000. Where possible, a 25 mm chamfer should be provided to external angles.

Application

Application temperature range 5°C to 35°C.

Vertical application: Cut the Proofex 3000 to length allowing 150 mm for the end laps and position by peeling back the release paper and applying the self adhesive face to the prepared surface.

Start at the top of the wall and work down by progressively removing the release paper in stages. Proofex 3000 should be applied to ensure that all end laps are weathered.

In cold weather temporary batten support of the Proofex 3000 membrane is recommended.

Horizontal application: Completely unroll the Proofex 3000 membrane and place against a chalk line. One half of the roll should then be rolled up to the mid point, the release paper carefully cut without damaging the Proofex 3000 membrane and progressively removed from the mid point out to the end of the roll.

This process should be repeated on the other half of the roll. The Proofex 3000 membrane should be brushed onto the surface to ensure good bonding.

The next roll or length is aligned against the previously applied piece allowing for the 50 mm minimum (or as specified) edge laps and 150 mm end laps and applied as stated previously. The peel-off selvage release film is removed immediately prior to the edge lap being made. The edge and end laps should be rolled to ensure complete adhesion and continuity between the layers.

Penetrations

Penetrations e.g. pipe entries through the Proofex 3000 membrane require special attention to detail. Refer to Fosroc for more information on such details.

Protection

Proofex 3000 membrane should be protected from physical damage and weathering as soon as possible after application. Surfaces should be protected from damage by Proofex Protection Board.

Proofex 3000 can also be covered with Proofex Sheetdrain or Proofex Cavitydrain to give both protection and a drainage layer.

Estimating

Proofex 3000

Roll width:	1 m
Roll length:	20 m
Roll area:	20 m ²
Edge laps:	50 mm minimum
End laps:	150 mm minimum

Proofex Primer

Flash point:	32°C
Density:	0.9 kg/litre
Storage life:	2 years
Coverage:	6 to 8 m ² /litre
Minimum installation	
temperature:	+4°C rising
Drying time:	1 to 2 hours
Pack size:	5 ltr and 25 ltr drums

Proofex Engage Detail Strip

Thickness:	1.5 mm
Roll width:	240 mm
Roll length:	10 m
Roll weight:	4 kg
Pack weight:	8 kg

Proofex Protection Board

Thickness:	1.5 mm	3 mm
Width:	1250 mm	1250 mm
Length:	1650 mm	1650 mm
Coverage:	2.06 m ²	2.06 m ²

Storage

Proofex 3000 has a shelf life of 12 months and must be stored in an upright position at a temperature between 5°C and 40°C.

Precautions

Health and safety

There are no known health hazards associated with Proofex 3000 in normal use.

For Proofex Primer see separate Safety Data sheet.



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