



Proofex 200/400

Polymeric waterproofing membrane

Uses

- Roof waterproofing
- Waterproofing of Roof Gardens
- Waterproofing of Basements
- Waterproofing of Swimming Pools
- Waterproofing of Large Water tanks

Advantages

- Excellent bondability and seam integrity
- Good resistance to extreme climatic conditions
- High resistance to impact and puncture
- Dimensionally stable
- High elongation to absorb structural movements
- High Softening Point and Penetration Values
- Fast and easy application

Description

Proofex 200 is a polymeric waterproofing membrane and a centre core of 90 micron. It has two layers of polymeric asphaltic mix and thermofusible HMHDPE film on both ends.

Proofex 400 is a polymeric waterproofing membrane which incorporates a polyester mat of 140 gm/sqm and a centre core of 90 micron HMHDPE film.

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, as well as on-site technical assistance in locations all over the world.

Properties

	Proofex 200	Proofex 400
Softening Point (ASTM D36)	Min 118°C	Min 118°C
Penetration 25°C 100g, 5 sec (ASTM D5)	45 + 5 dmm	45 + 5 dmm
Normal Thickness	3.0 +0.2mm	4.0 +0.2mm

	Proofex 200	Proofex 400
Pilability (ASTM D228)	Does not Break @ -5°C	Does not Break @ -5°C
Tensile strength Lengthwise	Min.300N	Min.300N
Cross Wise (DIN52123)	Min.100N	Min.100N
Elongation Length Wise	Min.50%	Min.50%
Cross Wise (DIN52123)	Min.50%	Min.50%
Heat Resistance (ASTM D146)	Does not drip at 100°C	Does not drip at 100°C
Length	10 Mtrs+0.1	10 Mts+0.1
Width	1.0 Mtrs+0.02	1.0 Mtrs+0.02

Application instructions

The instructions for use are those generally to be followed. However, as the product may be applied in a wide variety of differing situations, your local Fosroc office should be contacted to provide specific method statements.

Surface Preparation

Smooth surface with minimum slope 1:75 is required to apply the membrane. Surface is first cleaned completely to eliminate all sharp projections. After cleaning, suitable primer such as Proofex Primer is coated on the surface. Proofex 200/400 is unrolled over the coated surface (with overlaps of 10cm) and bonded completely to the substrate. The overlaps are then sealed by flame. Special care is taken at singularities such as drains, expansion joints etc. When used for roof waterproofing, Proofex 200/400 is required to be topped with suitable topping such as cement screed or tiles.

Proofex 200/400

Topping with cement screed

Proofex 200/400 is covered with chicken wire mesh of 26 SWG. Chicken Wire Mesh is fixed to the Proofex Membrane by using buttons made of Proofex. Cement : Sand mixture in 1:5 ratio of 20mm thickness is applied over chicken wire mesh in a uniform manner. Care has to be taken that Proofex 200/400 is not punctured by masons/workers while applying cement screed. Also cement screed should not violate the slope of the roof so that water does not stagnate. Expansion joints are to be created in cement screed to prevent cracking. Cement screed is cured for seven days as usual.

Topping with tiles

Tiles are fixed in cement mortar directly over Proofex 200/400 membrane. Chicken Wire Mesh is not required in this case. Care has to be taken while affixing tiles that Proofex 200/400 is not damaged. Tiles should not violate the slope of the roof to prevent stagnation.

Estimating

Supply

Proofex 400 (4mm)	4000 sq.m lots
Proofex 200 (2mm)	8000 sq.m lots

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Important note :

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