

Fosroc Proofex Torchseal 4S 200 (-20)



constructive solutions

Torch applied 4mm SBS modified bituminous membrane with low cold flexibility with 200g/m² polyester reinforcement.

Uses

To provide waterproofing and damp-proof membranes for:

- Concrete roof and floor slabs
- Basement tankings
- Concrete retaining structures

Advantages

- Easily torch applied
- Bonds well to the substrate
- Readily formed to contours

Description

Proofex Torchseal 4S 200(-20) is a quality torch applied membrane manufactured from premium grade heavily modified bitumen, weighing 200g/m², rot-proof and is malleable.

The core gives the membrane its excellent mechanical properties, allows for good elongation and affords high resistance to piercing.

Proofex Torchseal 4S 200(-20) membrane is ideal for use in a wide range of waterproofing applications such as foundations, basements, tunnels, roofs, carpark decks and other civil works. The chemical resistance of Proofex Torchseal 4S 200(-20) makes it particularly suitable for tanking applications in areas where aggressive ground water conditions prevail.

Specification

The waterproofing membrane shall be a high performance torch applied 4mm membrane, manufactured from high quality polymer - modified bituminous compounds and weighing 200g/m².

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.

Properties

Membrane thickness (+/- 5%) : 4mm

ASTM D5147

Tensile Strength (Tolerance ± 20%)

UEATC

Long : 900 N/50mm

Trans : 700 N/50mm

Elongation (Tolerance ± 20%)

UEATC

Long : 45%

Trans : 50%

Resistance to Tearing (Tolerance ± 20%)

ASTM D5147

Long : 500 N

Trans : 400 N

Lap Joint Strength (Tolerance ± 20%)

ASTM D5147

Long : 960 N/5cm

Trans : 700 N/5cm

Flexibility at Low Temperature

ASTM D5147

: - 20° C

Dimensional Stability at 80°C

ASTM D5147

Long : -0.5 %

Trans : -0.5 %

Water Absorption (n/a slate)

ASTM D5147

: <0.15 %

Fosroc Proofex

Torchseal 4S 200 (-20)

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 Torchseal Primer 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 Torchseal membranes.

Application

The membrane is unrolled and placed in the correct position where it is to be torched on later. During each stage, each roll must overlap the next layer by atleast 10cm. The membrane is rolled back without changing the orientation. The rolled membrane is slowly unrolled again, while it's surface is lightly heated, transversally, by means of a propane gas torch, thus causing surface melting and subsequent adhesion to the surface. End joints should be made with a minimum of 15cm overlap.

Application tools and equipment

The tools and equipment required to apply Proofex Torchseal 4S 200(-20) membrane include a propane gas torch with related gas cylinder, a knife for cutting the membrane to size and a trowel with a rounded tip. Protective gloves and goggles are necessary when using the gas torch.

Estimating

Supply

Proofex Torchseal 4S 200 (-20)	: 10 m long x 1m wide roll
Proofex Torchseal Primer	: 20 and 200 litre drums

Coverage

Proofex Torchseal Primer	: 0.2 - 0.8 lt/m ²
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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

If Proofex Torchseal Primer 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.

* 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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