Proofex Torchseal 3SI (Standard)

constructive solutions

3mm Slated Finish Torch applied waterproofing membranes.

Uses

To provide waterproofing and damp-proof membranes for:

- Concrete roof and floor slabs
- Shallow Basement tankings
- Car park deck slabs
- Concrete retaining structures
- Tunnels and subways

Advantages

- High strength reinforcement gives excellent resistance to puncture and stress
- Easily torch applied
- Bonds well to the substrate
- Readily formed to contours

Description

Proofex Torchseal 3SI (Standard) are quality torch applied APP based slated membranes manufactured from premium grade heavily modified bitumen, reinforced with a core of non-woven polyester fabric.

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

Proofex Torchseal 3SI (Standard)membranes are ideal for use in a wide range of waterproofing applications such as shallow foundations, basements, tunnels, roofs, carpark decks and other civil works. The chemical resistance of Proofex Torchseal 3SI (Standard) makes it particularly suitable for tanking applications in areas where aggresive ground water conditions prevail.

Specification

The waterproofing membrane shall be Proofex Torchseal 3SI (Standard) a high performance APP based torch applied 3mm thick slated membrane, manufactured from high quality polymer - modified bituminous compounds and reinforced with non woven polyster fabric.

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	3mm(-0.2mm)/(+0.3mm)
Reinforcement base	140 GSM
Tensile Strength (ASTM D 5147) N/5cm	L-550 N (±150) T- 400 N(±150)
Elongation (ASTM D 5147)	45 ±10
Tensile Tear Strength (ASTM D 4073)	L-250 N/5cm T-200 N/5cm
Softening Point (ASTM D36)	150°C
Penetration at 25°C (ASTM D-5)	15 -25 dmm
Cold Flexibility at 0°C (ASTM D 5147)	No Cracks Observed
Resistance to Water Pressure -DIN 52123	No Leakage
Water tightness kPa (EN 1928-1)	60m of water

Note: The typical physical properties given above are derived from testing in a controlled laboratory environment. Results derived from testing field-applied samples may vary, dependending on actual site conditions.

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.

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Application tools and equipment

The tools and equipment required to apply Proofex Torchseal 3SI 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 3SI (Standard):		10 m long x 1m wide roll
Proofex Torchseal Primer	:	20 and 200 litre drums

Coverage

Proofex Torchseal Primer	:	0.2 - 0.8 lt/m²

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 unopened 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.

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