

Perforated reinforced base sheet to relieve water vapour pressure from under multi-layer torch-on membrane systems

Uses

Proofex Torchseal A400 is used for spot bonding torch applied bituminous membranes particularly over substrates with relatively high humidity. It should be used as a first connecting layer to avoid the formation of blisters in waterproofing membrane applied on concrete which will remain visible to the eye. Proofex Torchseal A400 acts as a vapour diffusion layer if it is used as a connecting layer between a vapour barrier to be applied on a cement substrate of environments with a high level of relative humidity.

For restoration work it is used to connect a new layer which will remain visible, with an old bituminous surface which has captured humidity.

The choice of using a spot bonded connecting layer should be subject to the careful evaluation by the planner of the roof and of the wind force present where the membranes will be applied.

Advantages

- Cost effective
- Quick to install
- Allows the homogeneous distribution of spot-bonded adhesion zone
- The finish layer is more resistant to the wind and is more stable to temperature variations than with other spot bonded methods

Description

Proofex Torchseal A400 is a perforated membrane for connecting layers for waterproofing semi-adhesive systems, made of polymer-bitumen with reinforced fibreglass reinforcement. The 40mm diameter perforations are distributed evenly over the surface of the membrane providing 14% bonding area.

Properties

Mass:	~1kg / m ² (±5%)
Reinforcement:	Fibreglass
Bonded area:	14%
Hole diameter:	40mm
Flow resistance at elevated temperature (EN 1110):	≥ 120°C

Application Instructions

Surface preparation

All surfaces receiving the Proofex Torchseal A400 membrane must be firm, dry, and free from contaminants and loose material. Surfaces must also be even and smooth, without any defects that could damage the membrane.

Rough concrete must be “faired up” before commencing application. For small repairs, suitable material can be made by mixing two parts fine clean sand with one part GP cement, a small amount of water to dampen the mix then add Fosroc Nitoproof 210 to make a trowelable paste.

Priming

Fosroc Primer 24 should be applied to all the prepared surfaces prior to the application of the membrane and allowed to dry. The primer will take at least one hour to dry at temperatures 25°C and above. At lower temperatures allow additional drying time.

Fosroc Primer 24 should be applied at the rate of approximately 8m²/litre (0.13 litre/m²) to the surface to which Proofex Torchseal A400 will be applied. The coverage rate for the primer will vary depending on the porosity of the surface being treated.

Primer may be applied by brush, roller or spray equipment, coverage must be uniform. Primed areas must be covered with the membrane on the same day.

Application

Old degraded waterproofing membranes must be carefully cleaned, any bubbles cut crosswise to evacuate the humidity and then the flaps will be re-attached then primer applied across the entire surface

Proofex Torchseal A400 is laid dry with 50mm overlaps. The next layer (cap sheet) is then set astride these laps and fully bonded to the Proofex Torchseal A400. When the flame is applied, the sacrificial film on the Proofex Torchseal A400 is melted and bitumen from the membrane flows into the perforation and fixes both layers but leaving the Proofex Torchseal A400 unbonded. The area of adhesion is approximately 14% of the total surface allowing vapour to disperse and movement of the deck under the waterproofing layer to take place without damage to either the Proofex Torchseal A400 or the cap sheet.

Proofex Torchseal A400 should not be used around the perimeter of roofs in windy areas. In these instances a minimum of 1m around the roof edge and either side of a ridge must be fully adhered.

The same system should be employed around the base of chimneys, skylights, etc. where 500mm should be fully bonded.

On completion of the membrane installation all exposed perimeter edges must be mechanically fixed or terminated under a flashing.

Fosroc® Proofex® Torchseal® A400

Protection

Proofex Torchseal A400 is not designed as a stand alone product and must have an additional layer of membrane applied. If the final membrane is to be exposed to UV, a mineral finish is required.

Limitations

New concrete substrates should be allowed to cure for a minimum of 28 days prior to the installation.

Supply

Proofex Torchseal A400 is supplied in 1m wide x 30m rolls

Proofex Torchseal A400:	FC007011-UNIT
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Fosroc Primer 24:	4 litre:	FC020500-4L
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Fosroc Primer 24:	20 litre:	FC020500-20L
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Coverage

Proofex Torchseal A400:	Approx. 28m ² / 30m roll allowing for overlaps
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Fosroc Primer 24:	6 - 8m ² /litre
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Note: no allowance has been made for wastage.

Storage

Store in cool, dry conditions ie. not exceeding 30°C. Rolls must be stored on end and must NOT be stored lying down.

Important notice

A Safety Data Sheet (SDS) is available from the Fosroc website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.