

Polyester fabric backed base sheet, for heat sensitive substrates in multi- layer torch-on membrane systems

Uses

Proofex Torchseal A300 is designed for use as a base sheet over timber or thermal insulation and may also be applied over old failed membranes.

Proofex Torchseal A300 is particularly suited as a base sheet for heat sensitive substrates in multi-layer torch applied bitumen membrane systems.

Proofex Torchseal A300 may be attached to the substrate by a number of methods dependant upon the type of surface:

- Mechanically fastened
- Fully or part adhered with an appropriate general purpose contact adhesive
- Hot asphalt roll & pour method

Advantages

- Uniform thickness factory controlled in manufacture
- Excellent cold flexibility -10°C
- The polyester fabric creates a micro air- space between the membrane and the substrate through which vapour may easily escape
- Manufactured with a selva edge for overlapping purpose providing a continuous waterproofing barrier against water ingress

Description

Proofex Torchseal A300 is manufactured by co-extrusion of a polymer - bitumen compound and a non-woven polyester reinforcement.

This non-woven polyester constitutes the lower face of the membrane which can be used to adhere the membrane to substrates or mechanically fixed.

The polyester fabric creates a micro air- space between the membrane and the substrate through which vapour may easily escape.

Properties

Mass:	1.8kg / m ² (±10%)
Reinforcement:	Non woven polyester
Flow resistance at elevated temperature (EN 1110):	≥ 120°C
Flexibility at low temperature (EN 1109):	≤ minus10°C
Tensile strength (EN 12311-1) N/50 mm:	longitudinal: 650 (±20%) transverse: 500 (±20%)
Tensile elongation (EN12311-1):	longitudinal: 45% (±15%) transverse: 45% (±15%)
Dimensional stability (EN1107-1):	≤0.5%
Resistance to tearing (EN 12310-1):	longitudinal: 160 N (±30%) transverse: 180 N (±30%)
Impermeability to water (EN1928 B method):	≥ 60 kPa

Application Instructions

Surface preparation

All surfaces to which Proofex Torchseal A300 is to be applied must be smooth, free from contaminants and loose material.

Rough concrete must be faired up before commencing application.

Existing membrane shall be clean. All blisters and defects in the old membrane must be cut out and repaired as required to provide a good sound substrate to which the new membrane system may be applied.

Timber substrates may require a primer coat of contact adhesive cut back with solvent by 50% and allowed to dry prior to applying the Proofex Torchseal A300 base sheet.

Application

Planning the installation of the membrane is important to ensure joints occur in suitable locations.

Proofex Torchseal A300 is generally laid to allow side laps of 50mm with the end abutted and not overlapped. When the membrane has been installed, a strip of smooth membrane such as Proofex Torchseal A600 at least 150mm wide, should be bonded over the traversal joints.

Fully or part bonding

Proofex Torchseal A300 should be unrolled and set in to the exact position in which it is to be attached; it should then be folded back sideways to expose half of the underside. Apply a coat of contact adhesive to the exposed surface (either fully covered or spot bonded dependant on the requirement), work the membrane back into position avoiding wrinkles or entrapping air bubbles. Repeat the process with the rest of the sheet. Upon completion broom out any air to maximise adhesion.

Fosroc® Proofex® Torchseal® A300

A minimum drying period of 2 hours with good air-flow is required to dry the adhesive – ENSURE THIS IS DONE BEFORE USING ANY HEAT SOURCE IN THE AREA AND ENSURE ALL CONTACT ADHESIVE CONTAINERS ARE REMOVED FROM THE AREA. After installation of the Proofex Torchseal A300 the side laps shall be heat fused together to provide a homogenous joint. The bonding of the laps and over-stripping of the traversal joint must not be carried out until the adhesive has been allowed to fully dry for a minimum of 2 hours.

Mechanically fixing

Proofex Torchseal A300 may be mechanically fixed over concrete, timber or insulation panels.

The membrane shall be unrolled and set in to the exact position in which it is to be attached. The membrane shall be fixed with washers and the appropriate fixings. Generally the fixings are placed at the edge of the Proofex Torchseal A300 with the adjacent sheet layed over the fixing to encapsulate the fixing. The fixing spacing will be dependant on the Engineers requirements however generally the spacing for the fixings is 4 or 5 fixings per m² uniformly distributed and provided with a washer having a minimum diameter of 50mm.

The adjoining sheets must be laid with overlapping joints of 100mm. Once the fixing of the central part is completed, the joints will also be fixed with screws installed every 250mm.

Proofex Torchseal A300 is generally installed to the horizontal surface only with al detail and up-stands detailed with a layer of plain membrane such as Proofex Torchseal A600.

The subsequent layers shall be installed by the torch method of application.

Protection

Proofex Torchseal A300 is not designed as a stand alone membrane and must have additional layers of bituminous membrane applied. If the final membrane is to be exposed to UV, a mineral finish is required - such as Proofex Torchseal A625 or Proofex Torchseal A825.

Maintenance

No special requirements necessary. Any damage identified during normal inspections should be repaired or replaced as appropriate.

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.

Limitations

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

Supply

Proofex Torchseal A300 is supplied in 1 m wide x 20 m rolls

Material Code: FC007010-UNIT

Coverage

Proofex Torchseal A300: Approx. 19 m² / 20 m roll allowing for overlaps

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.