Fosroc® Proofex® Torchseal® A350

constructive solutions

Self-adhesive 3mm thick base sheet for heat sensitive substrates in multi-layered torch on membrane systems

Uses

Used as a base layer in multi-layer torch applied waterproofng systems being applied to heat sensitive substrates such as:

- Thermal insulation
- Timber
- Metals
- Plastics
- Rigid PVC and old failed liquid applied membranes

Advantages

- Fast to lay / install
- Handles ponding and permanently wet conditions
- No curing times. Instantly waterproof
- Self adhesive membrane, no need to flame adhere base sheet to substrate; base sheet is further adhered to substrate by the heat generated by flame-laying of following layer
- Uniform thickness – eliminating likelihood of uneven application possible with liquid applied membranes
- Excellent stability at both high and low temperatures
- Polyester fabric composite reinforcement ensures dimensional stability and high strength while maintaining flexibility during application and service

Description

Proofex Torchseal A350 is SBS modified bitumen membrane designed to solve the problem of direct laying over polystyrene foam or timber, without using any nails or glue. The top face of the membrane is finished with a polyethylene film which prevents sticking when the membrane is in storage. The lower face is coated with a special adhesive. The membrane is laid onto the insulation panel or timber after removing the silicone film that protects the adhesive coated face.

The next layer of regular torch applied membrane is then applied to the **Proofex Torchseal A350** base sheet. Direct heating generated by flame-laying of the next layer further improves long-lasting safe adhesion.

Proofex Torchseal A350 will also bond to surfaces such as plastics, PVC, metals and old failed liquid applied membranes.

Proofex Torchseal A350 incorporates a composite non-woven polyester fabric reinforcement.

Properties

Reinforcement:	Non-woven Polyester
Thickness (EN 1849/1):	3mm
Flow resistance at elevated temperature (EN 1110):	90°C
Flexibility in cold conditions (EN 1109):	-15°C
Tensile strength (L/T) (EN 12311/1):	600/400 N/50mm
Ultimate elongation (L/T) (EN 12311/1):	40/45%
Resistance to tearing (L/T) (EN 12310/1):	150/150 N
Joint shear resistance (L/T) (EN 12317/1):	200/180 N/50mm
Joint peel resistance (EN 12316/1):	50 N/50mm
Resistance to static loading (EN12730):	10kg
Resistance to impacy loading (EN 12691):	900mm
External fire performance (EN13501/5):	F_{roof}
Reaction to fire (EN 13501/1):	F
Impermeability to water (EN 1928:2000):	>60 kPa

Application Instructions

Surface preparation

All surfaces to which **Proofex Torchseal A350** is to be applied must be smooth, free from contaminants and loose material.

Insulation panels shall be fixed to the substrate as per manufacturers' recommendations.

All existing membranes shall have any blisters or wrinkles cut and repaired all as required.

Rough or uneven surfaces 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 **Nitoproof 210** to make a trowelable paste.

Priming

Priming of the surface generally is not required including polystyrene foam insulation; however priming of other very porous surfaces may be required. Where required the surface shall be primed with **Fosroc Primer 24** at the rate of 8m² litre. The coverage rate for the primer will vary depending on the porosity of the surface being treated. Allow the primer

Fosroc® Proofex® Torchseal® A350

to dry for at least 15 minutes at temperatures of 25°C and above, and up to 60 minutes when ambient temperatures are approaching 5°C.

Fosroc Primer 24 is solvent based and therefore cannot be used on polystyrene and other solvent sensitive substrates.

Priming should only be carried out on surfaces which will be covered with **Proofex Torchseal A350** on the same day.

Application

Planning the installation of the membrane is important to ensure joints occur in suitable locations. **Proofex Torchseal A350** must be laid to allow side laps of 60mm and end laps of 150mm.

The membrane will be unrolled and positioned on the area to be coated; it will then be folded along its entire length in order to remove the siliconised protective film of the lower side (specially prepared with a longitudinal cut) and pressed onto the laying surface. Repeat the same operations for the remaining half of the roll. Use a suitable pressure roller to promote adhesion. Particular attention must be paid to creation of the lateral joints between the sheets, which must be overlaid along the selvedge and covered with a silicon band to be removed at the appropriate time. The end joints will be created by overlapping 150mm, taking care to cut at 45° the edges of the carefully pressed sheet.

Adhesion of the sheets on the ends will be facilitated by light heating with flaming or hot air of the lower sheet in the area to be overlaid.

The heat from the following layer being torch bonded will help maximise adhesion to surface including the over lap area.

Apply at tempertaures above +10°C; for lower temperatures, facilitate adhesion with hot air or indirect flame. Do not apply in any case at temperatures below +5°C. For slopes of the layng surface greater than 15%, or for operating conditions in particularly hot climates the installation system must be integrated with adequate mechanical fasteners

Protection

Proofex Torchseal A350 has been designed as a base layer and must be used in conjunction with subsequent torch applied membranes.

Supply

Proofex Torchseal A350 is supplied in 1m wide x 10m rolls

Proofex Torchseal A350:		FC007009-UNIT
Fosroc Primer 24:	4 litre:	FC020500-4L
Fosroc Primer 24:	20 litre:	FC020500-20L

Coverage

Proofex Torchseal A350:	Approx. 9m² / 10m roll allowing for overlaps
Fosroc Primer 24:	6 - 8m²/litre

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.

Parchem Construction Supplies Pty Ltd
7 Lucca Road, Wyong NSW 2259
Ph: 1800 812 864
www.fosroc.com.au ABN 80 069 961 968

Distributed in New Zealand by: Concrete Plus Ltd
150 Hutt Park Road Gracefield Ph: 0800 657 156
www.fosroc.co.nz NZBN 9429033691282