

Perfobase

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

USES

Perfobase is used for spot bonding membranes with a torch. 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. Perfobase 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.

The same goes for restoration when 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

- Allows the homogeneous distribution of spot-bonded adhesion zone
- The above layer is more resistant to the wind and is more stable to temperature variations

DESCRIPTION

Perfobase is a perforated, reinforced fibreglass mat, impregnated with special polymer modified bitumen which is compatible with both APP and SBS bitumen membranes. A flamina film which melts when torched protects both sides of the membrane. The 4 cm diameter perforations are distributed evenly over the surface of the membrane, with 119 holes per m². Perfobase guarantees the uniform distribution of the bonding areas while using a torch, with no particular expertise of the operator required.

MAINTENANCE

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

PROPERTIES

Product Code:	742020
Reinforcement:	Perforated fibreglass mat
Weight:	Approx 800/gm ²
No of holes per /m²:	119
Diameter of the hole:	40 mm
Degree of perforation	Approx 15%

SPECIFICATION CLAUSES

Where so designated on the drawings, surfaces shall be covered with a torch applied, fibreglass reinforced bituminous vapour barrier and waterproof membrane.



APPLICATION INSTRUCTIONS

SURFACE PREPARATION

All surfaces to which Perfobase is to be applied must be smooth, free from contaminants and loose material. Rough concrete to be "faired up" before commencing application. Contact your local Parchem branch for suitable fairing products from our extensive range.

PRIMING

Index Bitumen Primer 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.

Index Bitumen Primer should be applied at the rate of approximately 0.13 litres per m² to the surface to which Perfobase 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

Perfobase is laid dry with 30-40 mm overlaps. The next layer is then set astride these laps and fully bonded to the Perfobase. When the flame is applied, the sacrificial film on the Perfobase is melted and bitumen from the membrane flows into the perforation and fixes both layers but leaving the Perfobase unbonded. The area of adhesion is approximately 15% 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 Perfobase or the cap sheet.

Note: to achieve good performance it is essential that Perfobase is only applied to smooth, clean, dry surfaces. Cement and concrete surfaces must be primed before application of Perfobase but it is advisable that all surfaces are prepared by priming to achieve the best adhesion.

Perfobase should not be used around the perimeter of roofs in windy areas. In these instances a minimum of 2 m 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 500 mm should be fully bonded.

PROTECTION

Perfobase 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.

ESTIMATING

SUPPLY

Perfobase: Roll width 1 m, length 30 m

Index Bitumen Primer: 20 litre pail

COVERAGE

Perfobase:

Index Bitumen Primer: 8 m²/litre

Note: no allowance has been made for wastage.

STORAGE

Store in cool, dry conditions ie. not exceeding 25°C.

Rolls must be stored on end and must not be stored lying down.

IMPORTANT NOTICE

A Material Safety Data Sheet (MSDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the MSDS 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.

