

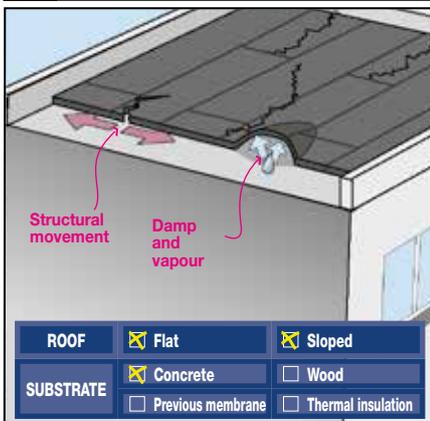
PERFOBASE/V

PERFORATED FIBREGLASS MAT IMPREGNATED WITH ELASTOPLASTOMERIC POLYMER-BITUMEN FOR SPOT-BONDING WATERPROOFING LAYERS

GRANTS *LEED* CREDITS

CATEGORY	CHARACTERISTICS	ENVIRONMENTAL						METHOD OF USE		
										
SPECIAL ELASTOPLASTOMERIC FOR SPECIFIC USES	SPOT-BONDED SHEET	ECO GREEN	ASBESTOS FREE	TAR FREE	CHLORINE FREE	RECYCLABLE	NON DANGEROUS WASTE	EXHAUSTED OIL FREE	TORCH APPLICATION	HOT AIR APPLICATION

1 PROBLEM



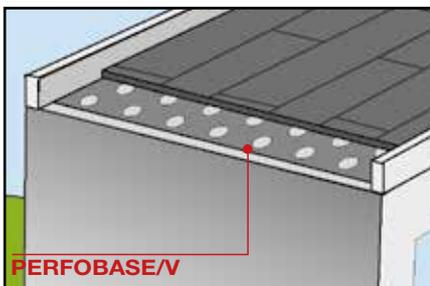
HOW TO STOP BUBBLES FORMING IN THE WATERPROOFING LAYER AND ALLOW FOR THE MOVEMENTS OF THE SUBSTRATE

Waterproofing membranes that are fully bonded to roofing substrates are subject to fatigue caused by cracks in the concrete or by the cyclical movement of an active split in a support made up of separate elements. Furthermore, vapour from inside the building can accumulate in areas under the membrane which are not totally adhered to the substrate and these can then expand due to the heat of the sun causing the formation of large blisters.

The alternative, a loose dry-laid system, is not always possible as it is then necessary to ballast the membranes against wind uplift with gravel or other heavy protective paving which may not be compatible with a light weight structure.

In Many cases, spot bonding the membrane will solve the problem of stress distribution and the diffusion of vapour while still guaranteeing sufficient adhesion for areas that are not too windy. In order to obtain the desired result, it is essential that the bonded areas are evenly spaced over the membrane's surface but this is extremely difficult to achieve manually with torch on polymer-bitumen membranes.

2 SOLUTION



PERFOBASE/V has been studied and produced by INDEX to guarantee the uniform distribution of the bonding areas while using a torch, with no particular expertise of the operator required. **PERFOBASE/V** is a perforated, reinforced fibre-glass 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 square metre.

APPLICATION FIELDS

PERFOBASE/V 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 membranes applied on concrete which will remain visible to the eye. **PERFOBASE/V** 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, of the wind force present where the membranes will be applied.

ADVANTAGES

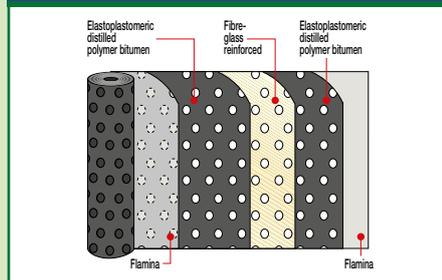
- Allows the homogeneous distribution of the spot-bonded adhesion zone.
- The above layer is more resistant to the wind and is more stable to temperature variations.

TECHNICAL CHARACTERISTICS

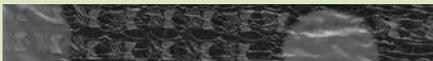
	Standard	T	PERFOBASE/V
Reinforcement			Perforated fibreglass mat
Weight	EN 1849-1	±10%	0.8 kg/m ²
Roll size	EN 1848-1	≥	1×30 m
N. of holes/m ²			119
Diameter of the holes			40 mm
Degree of perforation			15%

COMPOSITION OF THE MEMBRANE

PERFOBASE/V



PRODUCT FINISHING



FLAMINA. Plastic protection film helping prevent coils from sticking to the roll. As it withdraws under the action of the flame right during its installation, it signals the best melting point in order to correctly glue the membrane to the brackets and rises. When not heated, it can be used as a sliding layer.

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering