

## VAPOUR BARRIER

## Thermal activated composite waterproofing membrane

## Description

Prefabricated modified composite polymer-bitumen waterproofing membrane composed of distilled bitumen and special polymers which provide thermal adhesion properties to the lower face waterproofing mass, while the upper face waterproofing mass promotes heat transmission to the lower face.

The thermal activated waterproofing compound allows the membrane to be positioned and applied without the use of open flame or hot air torch and is particularly indicated for those surfaces which are heat sensitive.

The reinforcement consists in a stabilized fiberglass mat coupled with an aluminum sheet which fully impedes vapor transmission.

The lower face is backed by a special release film which must be removed during application. The upper face of the membrane is protected with a polyethylene film.

## Methods of application

The application surface should be primed with PRIMERTEC, approx. consumption 200–400 g/m<sup>2</sup> depending on the type of surface. Position the roll over the application surface, making sure to remove the lower face release film.

Provide for side laps of 10 cm and head laps of 15 cm.

Heat the upper surface by torch and while the material is still hot, position the insulation panel applying sufficient pressure to promote adhesion.

When using insulation which is heat sensitive it is recommended that a sufficient area is heated to avoid damaging the next panel. Particular care should be given during the application around details (perimeters, protruding areas, etc.) and where there is change of slope.

For further information we recommend to consult PLUVITEC's technical literature.

## Fields of use

PLURA THERMO AD VB is indicated for use as a vapor barrier and over most application surfaces, providing a fully adhered surface.

During the application of the insulation panels, the adhesion between the application surface and panel is obtained with one torching process.

## Stratigraphy

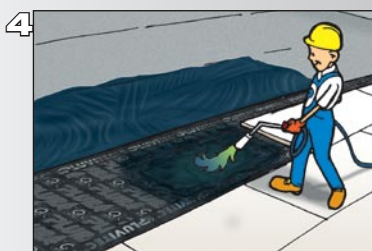
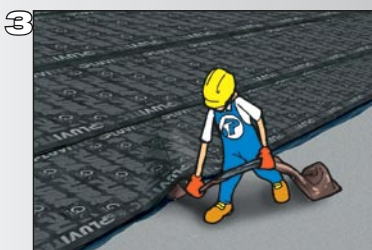
1. Release film
2. Thermal activated mass
3. Aluminum sheet
4. Fiberglass reinforcement
5. Mass which promotes fast heat transmission
6. Polyethylene film
7. Seldedoe release film



## Fields of use

[illegible]

## How to apply



## Sizes & packing\*

| Description<br>PLURA THERMO AD | VB 2,5 mm |
|--------------------------------|-----------|
| Rolls size (m)                 | 10 x 1    |
| Rolls per pallet               | 30        |
| Square meters per pallet       | 300       |

\*Sizes & packing may vary depending on the type of transportation. The technical data given is based on average values obtained during production. Pluvitec reserves the rights to change or modify the nominal values without prior notice or advice.

## PLURA Thermo AD

# VAPOUR BARRIER



## Application & recommendations

- On cementitious surfaces and similar apply, by roller or airless, bituminous primer PRIMERTEC, approx. consumption 200-400 g/m<sup>2</sup> & position the rolls on the application surface. (Fig. 1)
- Provide side & head laps respectively of 10 & 15 cm's between the sheets, making sure to remove the selvedge release strip. (Fig. 2)
- Remove the release film from the lower face. (Fig. 3)
- With gas or hot air torch, heat the polyethylene surface. (Fig. 4)
- Position and apply the insulation panel by applying pressure over the surface. (Fig. 5)

### N.B.

When the material is applied in accordance to the above indicated recommendations, the resistance to wind uplift of the waterproofing system (PLURA THERMO AD VAPOUR BARRIER - INSULATION) will not be inferior to 5,0 kPa (500 kg/m<sup>2</sup>). (Official test report "DBA 0309-L03")

## Technical data

| Technical Characteristics                         | Measure Units | Reference Norm | VB                     | Tolerances |
|---------------------------------------------------|---------------|----------------|------------------------|------------|
| Type of reinforcement                             |               |                | Fibre glass+Alluminium |            |
| Upper face finish                                 |               |                | P.E. film              |            |
| Lower face finish                                 |               |                | Silicon release film   |            |
| Length                                            | m             | EN 1848-1      | 10 -1%                 |            |
| Width                                             | m             | EN 1848-1      | 1 -1%                  |            |
| Thickness                                         | mm            | EN 1849-1      | 2,5                    | -5%        |
| Cold flexibility                                  | °C            | EN 1109        | NPD                    |            |
| Shear resistance L/T                              | N / 5 cm      | EN 12317-1     | 350/250                | -20%       |
| Tensile strength L/T                              | N / 5 cm      | EN 12311-1     | 450/350                | -20%       |
| Elongation at break L/T                           | %             | EN 12311-1     | 2/2                    | -2         |
| Tearing resistance L/T                            | N             | EN 12310-1     | 100/100                | -30%       |
| Dynamic puncture resistance                       | mm            | EN 12691       | 500                    |            |
| water vapour permeability                         | μ             | EN 1931        | 1500000                |            |
| Fire resistance                                   |               | EN 13501-5     | F ROOF                 |            |
| Fire reaction                                     |               | EN 13501-1     | F                      |            |
| water vapour permeability after artificial ageing | μ             | EN 1296        | NPD                    |            |
| Watertightness                                    | Kpa           | EN 1928        | 60                     |            |

technical data sheet



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