

## IMPERPUMA BP V-4



Bitumen-based asphalt membrane reinforced with polymers. Complies with the European standard UNE EN 13707

### DESCRIPTION

1m x 10m x 4kg/m<sup>2</sup> membrane made of bitumen with polymer additives, with fiberglass reinforcement, finished with non-stick polyethylene film on both sides. Bituminous waterproofing membrane made of bitumen with polymer additives of the type LA-40-FV.

### TECHNICAL CHARACTERISTICS

It is composed of fiberglass reinforcement, mastic made of bitumen with polymer additives and finished with non-stick polyethylene film on both sides.

### ADVANTAGES AND USES

- Lower membrane in single layer system improved with modified bitumen membranes.
- Membrane for making underground structures watertight.

### APPLICATION PROCEDURE

- Install by adhesion using a blowtorch.

### RECOMMENDATIONS

- Not recommended as a single layer system, two layer system unless with an auxiliary bituminous membrane, top membrane in a two layer system exposed to weather or top membrane in roof gardens.
- Store vertically.
- Protect from weather conditions and humidity.
- Do not apply at temperatures below +5°C.

### PACKAGING AND STORAGE

Packaged in pallets with 25 rolls per pallet. Maximum shelf life: 12 months, protected from weather conditions at temperatures above +5°C.

### TECHNICAL DATA

| TECHNICAL CHARACTERISTICS              | TEST STANDARD | UNIT    | VALUE   |
|----------------------------------------|---------------|---------|---------|
| External Fire Behavior                 | prEN 13501-5  | -       | PND     |
| Reaction to fire                       | EN 13501-1    | -       | E       |
| Watertightness                         | EN 1928 (A)   | -       | Pass    |
| Longitudinal Traction Resistance       | EN 12311-1    | N/50 mm | 350±150 |
| Transversal Traction Resistance        | EN 12311-1    | N/50 mm | 250±150 |
| Longitudinal elongation at breakpoint  | EN 12311-1    | %       | PND     |
| Transversal elongation at breakpoint   | EN 12311-1    | %       | PND     |
| Root penetration resistance            | prEN 13948    | -       | PND     |
| Static load resistance                 | EN 12730      | Kg      | PND     |
| Impact resistance                      | EN 12691      | mm      | PND     |
| Joint resistance to longitudinal shear | EN 12317-1    | N/5 cm  | PND     |



# ASPHALT IMPERPUMA BP V-4

|                          |           |                           |       |
|--------------------------|-----------|---------------------------|-------|
| Foldability              | EN 1109   | °C                        | ≤ -15 |
| Water vapor transmission | EN 1931   | (m <sup>2</sup> .s.Pa)/Kg | PND   |
| Creep resistance         | EN 1110   | °C                        | ≥ 70  |
| Dimensional stability    | EN 1107-1 | %                         | PND   |
| Adhesion of granules     | EN 12039  | %                         | PND   |
| Hazardous substances     | -         | -                         | PND   |

PND: Performance Not Determined; Pass: Positive; Does not pass: Negative

| OTHER ADDITIONAL CHARACTERISTICS | TEST STANDARD | UNIT              | VALUE       |
|----------------------------------|---------------|-------------------|-------------|
| Visible defects                  | EN 1850-1     | -                 | Faultless   |
| Mass                             | EN 1849-1     | Kg/m <sup>2</sup> | [3.80-4.40] |
| Length                           | EN 1848-1     | m                 | 10          |
| Width                            | EN 1848-1     | m                 | 1           |
| Straightness                     | EN 1848-1     | -                 | Pass        |
| Roll surface area                | -             | m <sup>2</sup>    | 10          |
| Rolls per pallet                 | -             | -                 | 25          |

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