

## IMPERPUMA BP AL-3



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



### DESCRIPTION

1m x 12m x 3kg/m<sup>2</sup> non-reinforced membrane made of bitumen with polymer additives, with metallic self-protection, finished with a natural or red color 80 micron embossed aluminum sheet on the outside and non-stick polyethylene film on the inside. Non-reinforced bituminous waterproofing membrane made of bitumen with polymer additives, with metallic self-protection, of the type LA-30/M-NA.

### COMPOSITION

It is composed of mastic made of bitumen with polymer additives and finished with a natural or red color 80 micron embossed aluminum sheet on the outside and non-stick polyethylene film on the inside.

### FEATURES AND APPLICATIONS

- Auxiliary membrane for finishes, gutters and singular points.

### INSTRUCTIONS FOR USE

- Install by adhesion using a blowtorch.

### CAUTIONS AND RECOMMENDATIONS

- Not recommended as a single layer system, lower membrane in a two layer system, for roofs under heavy protection or roof gardens.
- Store vertically.
- Protect from weather conditions and humidity.
- Do not apply at temperatures below +5°C.

### PACKAGING

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

### STANDARDS

This membrane has the AENOR N Mark.

Notified Organisation N°: 0099

Year CE Mark awarded: 2006

CPF Certificate N°: 0099 / CPD / A85 / 0019

Product complies with annex Z.A. of the standard UNE-EN 13707

### TECHNICAL DATA

| TECHNICAL CHARACTERISTICS | TEST STANDARD | UNIT | VALUE |
|---------------------------|---------------|------|-------|
|---------------------------|---------------|------|-------|

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|  |              |                           |         |
|--|--------------|---------------------------|---------|
| 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                   | 400±200 |
| Transversal Traction Resistance        | EN 12311-1   | N/50 mm                   | 400±200 |
| 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     |
| Foldability                            | EN 1109      | °C                        | ≤ +5    |
| 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> | [2.85-3.30] |
| Length                           | EN 1848-1     | m                 | 12          |
| Width                            | EN 1848-1     | m                 | 1           |
| Straightness                     | EN 1848-1     | -                 | Pass        |
| Roll surface area                | -             | m <sup>2</sup>    | 12          |
| Rolls per pallet                 | -             | -                 | 25          |

### NOTE



# ASPHALT PRODUCTS

## IMPERPUMA BP AL-3

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

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