

## IMPERPUMA PLUS V4 G



Asphalt membrane made with modified bitumen. Complies with the European standard UNE EN 13707



### DESCRIPTION

1m x 10m x 4kg/m<sup>2</sup> plastomer (APP) modified bitumen membrane, with fiberglass reinforcement, finished with non-stick polyethylene film on the inside and mineral granule as protective material on the outside. Self-protected bituminous waterproofing membrane of the type LBM-40/G-FV.

### TECHNICAL CHARACTERISTICS

It is composed of fiberglass reinforcement, plastomer-modified mastic and finished with slate mineral granule on the outside and non-stick polyethylene film on the inside.

### ADVANTAGES AND USES

- Top membrane in two layer system exposed to weather

### APPLICATION PROCEDURE

- Install by adhesion using a blowtorch.

### RECOMMENDATIONS

- Not recommended as a single layer system, lower membrane in a two layer system or for 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 and humidity.

NOTE: The instructions for use are given based on our tests and do not imply a commitment. They do not exempt the user from examining and verifying the products in order to use them correctly. The company's liability is limited to the value of the goods used.

### TECHNICAL DATA

| TECHNICAL CHARACTERISTICS             | TEST STANDARD | UNIT    | VALUE     |
|---------------------------------------|---------------|---------|-----------|
| External Fire Behavior                | prEN 13501-5  | -       | Broof(t1) |
| Reaction to fire                      | EN 13501-1    | -       | E         |
| Watertightness                        | EN 1928 (A)   | -       | Pass      |
| Longitudinal Traction Resistance      | EN 12311-1    | N/50 mm | 350±100   |
| Transversal Traction Resistance       | EN 12311-1    | N/50 mm | 250±100   |
| Longitudinal elongation at breakpoint | EN 12311-1    | %       | PND       |
| Transversal elongation at breakpoint  | EN 12311-1    | %       | PND       |



# ASPHALT

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|                                        |            |                           |               |
|----------------------------------------|------------|---------------------------|---------------|
| 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                        | ≤ -15         |
| Water vapor transmission               | EN 1931    | (m <sup>2</sup> .s.Pa)/Kg | 20.000        |
| Creep resistance                       | EN 1110    | °C                        | ≥ 120         |
| Dimensional stability                  | EN 1107-1  | %                         | PND           |
| Adhesion of granules                   | EN 12039   | %                         | 20 (-20/+10)% |
| 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          |

### LEGAL DISCLAIMER

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.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMA's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.