

# POLYXIS® R 40

## Product description

### Constitution:

#### Bituminous mixture:

Modified bitumen APP AVANCE.

Bituminous mixture enhanced for high temperatures, with performance levels between -5 °C and +130 °C.

#### Frame:

Reinforced polyester felt.

#### Finish:

Top layer – Mineral granules.

Bottom layer – Thermofusible polyethylene film.

### Presentation:

10.0 m<sup>2</sup> rolls (1.0 m x 10.0 m), with a nominal weight of 40.0 Kg and straightness ≤ 20 mm/10 m.  
25 roll pallets.



1328-CPD-0173  
NP EN 13707  
NP EN 13969  
06

## Technical characteristics:

| CHARACTERISTICS                           | VALUES       | UNITS             | TESTS                            |
|---|--------------|-------------------|----------------------------------|
| Nominal mass per surface unit             | 4.0 ± 0.2    | kg/m <sup>2</sup> | EN 1849 - 1                      |
| Sag resistance at high temperatures       | 120          | °C                | EN 1110                          |
| Flexibility at low temperatures           | - 5          | °C                | EN 1109                          |
| Dimensional stability                     | ≤ 0.5        | %                 | EN 1107 - 1                      |
| Longitudinal tear resistance              | ≥ 150        | N                 | EN 12310 - 1                     |
| Transversal tear resistance               | ≥ 150        | N                 | EN 12310 - 1                     |
| Longitudinal tensile strength             | 750 ± 150    | N/5cm             | EN 12311 - 1                     |
| Transversal tensile strength              | 450 ± 90     | N/5cm             | EN 12311 - 1                     |
| Elongation at longitudinal break          | 35 ± 15      | %                 | EN 12311 - 1                     |
| Elongation at transversal break           | 35 ± 15      | %                 | EN 12311 - 1                     |
| Granular adhesion                         | 20 (-20,+10) | %                 | EN 12039                         |
| Root puncture resistance                  | -            | (Y/N)             | EN 13948                         |
| Behaviour towards external fire           | B roof (t1)  | X roof (t1)       | ENV 1187<br>EN 13501 - 5         |
| Reaction to fire                          | E            | CLASS             | EN ISO 11925 - 2<br>EN 13501 - 1 |
| Water tightness                           | Y            | (Y/N)             | EN 1928                          |
| Resistance to static load                 | ≥ 15         | kg                | EN 12730                         |
| Resistance to impact                      | ≥ 1000       | mm                | EN 12691 - A                     |
| Edge resistance to cuts                   | -            | N/5cm             | EN 12317 - 1                     |
| Durability Flexibility                    | 5 ± 5        | °C                | EN 1296 e 1297                   |
| Durability behaviour at high temperatures | 120 ± 10     | °C                | EN 1296 e 1297                   |

### Maintenance and storage recommendations:

- Avoid falls and knocks.
- Transport and store rolls vertically, always protected from the weather – i.e. sun, rain, frost, hail, snow.
- Raise rolls, always in their pallets, using a crane or stacker.
- For more specific information on transportation, handling and other characteristics, please see the Safety Specifications.

### Eco recommendations:

- The selective separation and the forwarding of the waste from the application of these products are of the sole responsibility of the applier or user and should be done in accordance with applicable legislation.
- The residues of Imperalum bituminous membranes were analyzed in accredited laboratory and classified as non-hazardous according to the Decree-Law n.º 183/2009, which establishes the legal regime of the deposition of waste landfilled in Portugal.

The values presented in these technical specifications are the result of quality control tests carried out by Imperalum (ISO 9001).  
POLYXIS is a registered IMPERALUM trademark.