

MORTERPLAS FV 3KG

MORTERPLAS FV 3 KG is a non-self-protected membrane, made of APP plastomeric bitumen, with a high softening point, reinforced with fibre glass felt (FV), and finished with a thermally bonded film on both the upper and lower side.

ADVANTAGES

- ☑ High softening point and excellent behaviour under high temperatures, making it ideal for application during the summer
- Excellent dimensional stability
- ☑ Excellent durability and ageing
- ☑ Resistance to extremely high and low temperatures



APPLICATION

Base membrane on multi-layer flat roofs

REGULATIONS

- In accordance with the EN 13707 standard. Certified with CE marking No. 0099/CPR/A85/0087
- Voluntary certification of the product with AENOR seal according to the same European standard.
- With DIT No. 516 Inverted roof systems "TEXLOSA® ROOFING SYSTEMS."
- With DIT No. 562/10 MORTERPLAS/MOPLAS ZERO slope
- With DIT No. 579/11 MORTERPLAS VEHICULAR TRAFFIC
- With DIT No. 580/11 UNDERGROUND STRUCTURES MORTERPLAS
- Quality System in accordance with ISO:9001

Bituminous Waterproofing APP

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INSTALLATION

- **SUPPORT:** The surface must be dry, firm, even, clean and free of loose materials.
- It can be applied completely adhered, partially adhered or floating. · To adhere the membrane to the support, the support is primed with EMUFAL I. Once dry, use flame to adhere the membrane.
- The flame is applied as uniformly as possible (the greater the heat, the greater the retraction) along the width of the membrane without reaching the overlap, which will be done later, since it is important that the temperature be the same in every area. The flame should be applied until the anti-adherent film pore opens.
- The membranes are installed in such a way that no more than three membranes overlap at the same point.
- Overlaps are flame-bonded, with a minimum overlap of 8 cm.
- In the two-layer solution, the top membrane must be completely adhered to the bottom membrane, and it must be placed in the same direction so that the overlap lays approximately in the middle of the bottom membrane.
- Installation and measurements will be conducted in accordance with regulations of the UNE 104401 standard.



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PACKAGING AND STORAGE

| | MORTERPLAS FV 3 Kg | MORTERPLAS FV 4 Kg |
|-------------------------|--------------------|--------------------|
| Kg/m ² | 3 -5/+10% | 4 -5/+10% |
| Length (m) | 13 | 10 |
| Width (m) | 1 | 1 |
| m ² / roll | 13 | 10 |
| m ² / pallet | 351 | 270 |

Vertical. Store in the original packaging, dry and protected from the weather.

TECHNICAL PROPERTIES

| CHARACTERISTICS | Test Method | Unit | MORTERPLAS FV 3 kg |
|--|----------------------------------|----------------|---------------------|
| External fire behaviour | ENV 1187 | - | Broof(t1) |
| Fire reaction | EN 13501-1:2002 (EN ISO 11925-2) | - | E |
| Watertightness | EN 1928:2000 (B) | - | Pass (10 kPa) |
| Maximum tensile strength (L x T) | EN 12311-1 | N/50 mm | 350 ± 100 250 ± 100 |
| Elongation (L x T) | EN 12311-1 | % | NPD |
| Root penetration resistance | EN 13948 | - | NE |
| Static load resistance | EN 12730 (A) | kg | NPD |
| Impact resistance | EN 12691:2006 | mm | ≥ 500 |
| Tear strength (nail) (L x T) | EN 12310-1 | N | NE |
| Joint peel resistance | EN 12316-1 | N/50 mm | NE |
| Joint shear resistance (L x T) | EN 12317-1 | N/50 mm | NE |
| Artificial ageing by long-term exposure to high temperature | EN 1296 12 sem/weeks | EN 1109 / 1110 | NE |
| Artificial ageing by long term exposure to the combination of UV radiation, high temperature and water | EN 1297 | EN 1850-1 | NE |
| Flexibility at low temperature | EN 1109 | °C | ≤ -15 |
| Hazardous substances | -- | -- | PND |

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OTHER FEATURES

| OTHER CHARACTERISTICS | Test Method | Unit | Value |
|--|-------------|-------------------|--------------------|
| Visible defects | EN 1850-1 | - | Pass |
| Straightness | EN 1848-1 | - | Pass (<20 mm/10 m) |
| Compound per area unit | EN 1849-1 | kg/m ² | 3,00 -5/+10% |
| Thickness | EN 1849-1 | mm | - |
| Thickness in overlap | EN 1849-1 | mm | - |
| Watertightness after stretching at low temperature | EN 13897 | % | -- |
| Dimensional stability | EN 1107-1 | % | NE |
| Form stability under cyclic temperature change | EN 1108 | mm | NE |
| High temperature flow resistance | EN 1110 | °C | ≥ 120 |
| Granule adhesion | EN 12039 | % | NE |
| Water vapour transmission properties | EN 1931 | μ | 20000 |

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