



TECHNICAL CHARACTERISTICS

| CHARACTERISTIC | TEST METHOD | UNITS | NOMINAL VALUES | TOLERANCES |
|--|---------------------|---------|-----------------|-----------------|
| Visible defects | EN 1850-1 | visible | Without defects | |
| Length | EN 1848-1 | m | 10,00 -1% | MLV |
| Width | EN 1848-1 | m | 1,000 -1% | MLV |
| Straightness | EN 1848-1 | mm | 20 mm x 10 m | MLV |
| Thickness | EN 1849-1 | mm | 4 | ± 0,2 |
| Watertightness (A) | EN 1928 | kPa | 60 | MLV |
| External fire performance | EN 13501-5 | Class | F Roof | . |
| Reaction to fire | EN 13501-1 | Class | Class E | Pass |
| Shear resistance longitudinal / transversal | EN 12317-1 | N/50 mm | 400 / 300 | ± 20% |
| Tensile Strength Longitudinal / Transversal | EN 12311-1 | N/50 mm | 500 / 400 | ± 20% |
| Elongation at break Longitudinal / Transversal | EN 12311-1 | % | 35 / 35 | - 15 absolut |
| Resistance to impact | EN 12691 | mm | 800 | MLV |
| Resistance to static loading Method A | EN 12730 | Kg | 15 | MLV |
| Resistance to tearing (nail shank) | EN 12310-1 | N | 150 / 150 | - 30% |
| Resistance to root penetration | EN 13948 | Visible | Pass | Pass |
| Dimensional stability Longitudinal / Transversal | EN 1107-1 | % | ± 0,3 % | MLV |
| Flexibility at low temperature | EN 1109 | °C | -10 | MLV |
| Flow resistance at elevated temperature | EN 1110 | °C | 120 | MLV |
| Flow resistance at elevated temperature after artificial ageing | EN 1296 / EN 1110 | °C | 120 | -10 |
| Artificial ageing by long-term exposure to the combination of UV radiation, elevated temperature and water | EN 1297 / EN 1850-1 | Visible | Pass | Whitout defects |

FURTHER INFORMATION

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|----------------------|--|
| Notification code | NB 2003 |
| Certificate number | 2003-CPR-441 |
| Reference norme | EN 13707 |
| Reinforcement | Woven non-woven polyester reinforced with glassfibre |
| Compound | Bitumen modified with APP treated with special antirroot additive |
| Surface Finishing | External side: sand, polymeric film PE/PP, non-stick polymeric TNT Internal side: sand, polymeric film PE/PP, non-stick polymeric film TNT |
| Application method | For internal side sanded, polymeric film, no-stick polymeric TNT: Flame of propane gas / mechanical fixing only underlayer For internal side sanded: Hot adhesive, cold adhesive |
| Field of application | Underlayer and intermediate layer Top layer Sheet for roof garden For a correct use of the products, please refer to the technical documents issued by the manufacturer. If any law, norm or regulation different from what declared by the manufacturer is in force in the country where the product must be installed, it must be considered as compulsory by the applicator. It is his own responsibility to follow the suitable legislative references. |



Legenda:

- 1 - Reinforced bituminous membranes for the roofing waterproofing - Low and middle layers
2 - Reinforced bituminous membranes for the roofing waterproofing - Final layers
4 - Reinforced bituminous membranes for the roofing waterproofing - Roof-gardens

In accordance with directives issued by the Council and the European Community Commission, which sets out "classification, labeling and packaging of dangerous goods, the product contains no hazardous components".

All bituminous membranes produced by General Membrane SA are made of modified bitumen and contains no coal tar, asbestos, chlorine, used and/or rerrafinate and are not hazardous waste. The release of the data sheet for this product is not mandatory.

