

PRODUCT

Gemini Vapor Al 4 mm

ISSUED

SLO-05-11/13

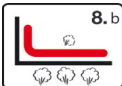


TECHNICAL CHARACTERISTICS

| 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 | Pass |
| Thickness | EN 1849-1 | mm | 4 | - 10% |
| Watertightness (A) | EN 1928 | kPa | 60 | MLV |
| External fire performance | EN 13501-5 | Class | NPD | |
| Reaction to fire | EN 13501-1 | Class | E | Pass |
| Shear resistance longitudinal / transversal | EN 12317-1 | N/50 mm | 550 / 340 | - 20% |
| Water vapour transmission proprieties Method A | EN 1931 | μ / Sd (m) | 1.800.000 / 7.200 | -200.000 |
| Tensile Strenght Longitudinal / Transversal | EN 12311-1 | N/50 mm | 560/340 | -20% |
| Elongation at break Longitudinal / Transversal | EN 12311-1 | % | 20 / 25 | -15 absolut |
| Resistance to impact | EN 12691 | mm | 700 | MLV |
| Resistance to tearing (nail shank) | EN 12310-1 | N | 130 / 100 | MLV |
| Flexibility al low temperature | EN 1109 | °C | -10 | MLV |
| Water vapour transmission proprieties after exposure to artificial ageing | EN 1296 / EN 1931 | μ / Sd (m) | 1.800.000 / 7.200 | ± 50% of the initial value |
| Water vapour transmission proprieties against chemicals | EN 1847 / EN 1931 | μ / Sd (m) | 1.800.000 / 7.200 | ± 50% of the initial value |

FURTHER INFORMATION

| | |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference norme | EN 13970 according to SIST 1031 |
| Reinforcement | Polyester laminated with aluminium foil |
| Compound | Bitumen modified whit APP |
| 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 For internal side sanded: Hot adhesive, cold adhesive |
| Field of application | Bitumen water vapour control layer 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:

8b - Bituminous layers for the vapour check - Vapour barriers

In terms of the Italian Ministerial Decree n° 65 of 14th March 2003, which sets out 'Classification, labelling and packaging of dangerous preparations in execution of the Directives issued by the Council and by the Commission of the European Community' the product does not contain dangerous elements. All membranes made by GENERAL MEMBRANE SpA are manufactured by using unblown asphalt and do not contain tar from coal, asbestos, chlorine, used and/or re-refined, are recyclable and are not dangerous waste. The release of a safety data sheet for this product is not compulsory, in any case an informative document is available for the correct use of the product.



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