

Technical data sheet

DELTA®-THERM /
DELTA®-THERM PLUS

| Characteristics | Methods | Values/Description |
|--|-------------------------------------|---|
| Description | | |
| Application | - | Vapor permeable roofing membrane for ventilated metal roofing (steel roof tiles, "click" flat sheets, trapezoidal sheets). Also for solar panels as well photovoltaic. |
| Material | - | White film made of non-woven polyester and water-repellent and diffusion-open coating made of acrylic dispersion with a special light gray acrylic coating with high resistance to UV radiation. DELTA®-THERM PLUS with two self-adhesive tapes at the edge roll. |
| Weight | EN 1849-2 | approx 220 g/m ² |
| Thickness | - | approx 0,45 mm |
| Density | - | approx 930 g/m ³ |
| Thermal conductivity coefficient | - | approx 0,17 W/m · K |
| Vapor permeability | | |
| Equivalent diffusion thickness Sd | EN ISO 12572 | approx 0,02 m |
| Diffusion coefficient μ | - | approx 45 |
| Vapor permeability | EN ISO 12572 | approx 1180 g/m ² · 24 h |
| Water resistance | | |
| Water resistance | EN 1928 | W1 |
| Waterproof after artificial aging (1.000 h QUV + 90 days at +150 ° C) | EN 1928 + EN 13859-2 c modification | W1 |
| Mechanical properties | | |
| Tensile strength along / across | EN 12311-1 | 285/230 N/5 cm |
| Tensile strength after artificial aging (1.000 h QUV + 90 days at +150 ° C) | EN 12311-1 | 260/220 N/5 cm |
| Elongation at break | EN 12311-1 | > 10% |
| Tear strength | EN 12310-1 | 115/115 N |
| Dimensional stability | EN 1107-2 | < 0,5% |
| Flexibility at low temperatures | EN 1109 | -25 °C |
| Additional characteristics | | |
| Reaction to fire | EN 13501-1 | B-s1, d0 |
| Temperature stability | - | -40 °C to +100 °C |
| Short term temperature * | - | +150 °C |
| UV stability | - | 4 months |
| Application | - | Insulated and cold pitched roofs. Installed on boards or sheeted boards also directed to rafters or insulation. Can be used as a temporary roof |
| CE conformity | EN 13859-1 / -2 | Compliant |
| System accessories | - | DELTA®-MULTI-BAND, DELTA®-SB 60, DELTA®-FLEXX-BAND, DELTA®-DICHT-BAND, DELTA®-HF PRIMER, DELTA®-THAN |
| Size | - | 50 m × 1,50 m |
| Quantity on a pallet | - | DELTA®-THERM: 32 rolls DELTA®-THERM PLUS: 28 rolls |
| Roll weight | - | 16,5 kg |

* Tested confirmed for 90 days at +150 ° C

