


MonarVap® Reflex 200

Application:

The MonarVap Reflex 200 product is a vapour barrier that can be used for application on both roofs and walls where medium high vapour load is expected.

Properties:

The MonarVap Reflex 200 has a very high nail and tensile strength due to its reinforcing grid. The product is ageing resistant and further resistant to cement materials and common occurring alkaline.

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| Product data | | | | |
| Built-up Top side | Metalized BOPP foil | | | |
| Reinforcing | 12 x 12 mm PET (Polyester) reinforcing grid | | | |
| Bottom side | LDPE with high degree of heat protection (IR) | | | |
| Colour | Alu/Transparent | | | |
| Weight | 190 g/m ² +10% / - 5% | | | EN 1849-2 |
| Application | The material is unrolled loss with a minimum overlap of 50mm taped joints. All penetrations or joints must be sealed with suitable tape like Icopal Butyl sealer. | | | |
| Technical data | Unit | Value | Tolerance | Test method |
| Length | m | 25,00 & 50,00 | +1% -0% | EN 1848-2 |
| Width | m | 1,50 & 3,00 | +1,5% -1/2% | EN 1848-2 |
| Straightness | | Pass | | EN 1848-2 |
| Thickness | mm | 0,18 | ±25% | EN 1849-2 |
| Visible defects | | Pass | | EN 1850-2 |
| Tensile strength | N/50 mm | MD >425 | | EN 12311-2 |
| | | TD >350 | | EN 12311-2 |
| Elongation | % | MD >17 | | EN 12311-2 |
| | | TD >8 | | EN 12311-2 |
| Nail tear resistance | N | MD >180 | | EN 12310-1 |
| | | TD >185 | | EN 12310-1 |
| Temperature range | °C | - 40 °C to +80 °C | | |
| Impact resistance | mm | <200 (rigid support) | | EN 12691, Method A |
| Sd value | m | 250 | ±50 | EN 1931 |
| Water vapour transm. | m ² .s Pa/kg | 1,68-E09 | ±3,89E-10 | EN 1931 |
| Water tightness | | Pass | | EN 1928, Method A |
| Fire classification | Class | F | | EN 13501-1 |
| Shear resistance of joints | N | MD >105 | | EN 12317-2 |
| | | CD >85 | | EN 12317-2 |
| Ageing after EN 1296 | | | | |
| Water tightness | Pass/Fail | Pass | | EN 1928, Method A |
| Water vapour transm. | Pass/Fail | Pass | | EN 1931 |
| Classification | Vapour Barrier Type A – EN 13984 | | | |
|  | | | | Monarflex s.r.o. Továrenská 1 SK-94303 Stúrovo Slovakia 06 |