

Technical Data Sheet


MONARFLEX® Reflex Super

Application:

The MONARFLEX® Reflex Super membrane is a gas and moisture barrier to be used over the foundation of houses and buildings.

Properties:

The MONARFLEX® Reflex Super membrane is a six layer gas and moisture barrier.

| Product data | Monarflex® Reflex Super | | | |
|---|--|------------------------|--|--------------------|
| Composition: | | | | |
| Top layer | LDPE with stabilizers, Clear | | | |
| Reinforcement | 12x12 mm Polyester multifilament 1670 dtex | | | |
| Coater layer | LDPE with stabilizers | | | |
| Aluminium | 12 micron Aluminium layer | | | |
| Coater layer | LDPE with stabilizers | | | |
| Bottom side | LDPE with stabilizers, Sand | | | |
| Colour | Silver/Sand | | | |
| Application | 150 mm overlapping and Monarflex extrusion welding is recommended. | | | |
| Technical data | Unit | Value | Tolerance | Test method |
| Length | m | 25 & 50 | +1% -0% | EN 1848-2 |
| Width | m | 2,05 | +/- 2% | EN 1848-2 |
| Thickness | mm | 0,4 | +/- 10% | EN 1849-2 |
| Weight | g/m ² | 440 | +/- 5% | EN 1849-2 |
| Straightness | Pass/Fail | Pass | | EN 1848-2 |
| Visible defects | Visible | No visible defects | | EN 1850-2 |
| Tensile strength | N/50mm | MD: > 700 | | EN 12311-1 |
| | | CD: > 500 | | |
| Elongation | % | MD: > 15 | | EN 12311-1 |
| | | CD: > 12 | | |
| Methane gas transmission | cm ³ /hm ² atm | <0,005 | | DTI internal test |
| Sd value | m | >1500m | | EN 1931 |
| Water vapour transmission | (m ² .s.Pa)/kg | 6,18x10 ⁻¹⁴ | 4,68x10 ⁻¹⁴ | EN 1931 |
| Nail tear resistance | N | MD: > 400 | | EN12310-1 |
| | | CD: > 375 | | |
| Resistance to static loading | N | Pass at 200N | | EN 12730, Method B |
| Impact resistance | mm | < 200mm | | EN 12691, Method A |
| Bitumen compatibility | Pass/Fail | Pass class W1 | | EN 1548 |
| Joint strength tape, Monobond | N/50mm | > 60 | | EN 12317-2 |
| Joint strength welding | N/50mm | > 100 | | EN 12317-2 |
| Water tightness to liquid water | kPa | Pass at 2 kPa | | EN1928 |
| Durability of water tightness against ageing | kPa | Pass at 2kPa | | EN 1296 |
| Durability of water tightness against chemicals | kPa | Pass at 2 kPa | | EN 1847 |
| Classification | Moisture Barrier Type A – EN 13967 | | | |
|  | | | Monarflex sro Továrenská 1, SK 943 03 Stúrovo, Slovakia 06 1162-CPD-0254 | |