


Application:

The MONARFLEX® Blackline 1500 membrane is a robust geo and moisture barrier to be used over the foundation of houses and buildings, for separating of different materials.

Properties:

The MONARFLEX® Blackline 1500 membrane is a several layer moisture barrier with layers of blown film laminated together by a coater layers.

| Product data | MONARFLEX® Blackline 1500 | | | |
|---|--|------------------------|--|--------------------|
| Top layer | black LDPE blown film | | | |
| Coater layer | black LDPE | | | |
| Blown film layer | black LDPE blown film | | | |
| Coater layer | black LDPE | | | |
| Blown film layer | black LDPE blown film | | | |
| Coater layer | black LDPE | | | |
| Bottom layer | black LDPE blown film | | | |
| Colour | Black | | | |
| Application | 100-150 mm overlapping and either sealed with double-sided butyl tape or welded together by Monarflex Extrusion Welding. | | | |
| Technical data | Unit | Value | Tolerance | Test method |
| Length | m | 25 | +1% -0% | EN 1848-2 |
| Width | m | 4,00 | +/- 2% | EN 1848-2 |
| Thickness | mm | 1,50 | +/- 10% | EN 1849-2 |
| Weight | g/m ² | 1400 | +/- 5% | EN 1849-2 |
| Straightness | Pass/Fail | Pass | | EN 1848-2 |
| Visible defects | Visible | No visible defects | | EN 1850-2 |
| Tensile strength | N/mm ² | MD: > 15,7 | | EN 12311-2 |
| | | CD: > 14,9 | | |
| Elongation | % | MD: > 500 | | EN 12311-2 |
| | | CD: > 500 | | |
| Radon transmittance | 10 ⁻⁹ m/s | 7 | | SP internal test |
| Radon permeability | 10 ⁻¹² m ² /s | 7 | | SP internal test |
| Sd value | m | min 200 | ±50 | EN 1931 |
| Water vapour transmission | kg/(m ² .s.Pa) | 8,28x10 ⁻¹³ | ±3,05x10 ⁻¹⁴ | EN 1931 |
| Nail tear resistance | N | MD: > 400 | | EN12310-1 |
| | | CD: > 400 | | |
| Resistance to static loading | N | Pass at 200N | | EN 12730, Method B |
| Impact resistance | mm | 350 mm | | EN 12691, Method A |
| Bitumen compatibility | Pass/Fail | Pass class W1 | | EN 1548 |
| Joint strength, tape | N/50mm | >60 N | | 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 | |