

Monarflex Blackline 500, 750 & 1000 Technical Data Sheet

MONARFLEX® Geo-membranes are used in civil engineering works either for separation of different layers of material, for preventing fluids like water, chemicals or the gases in undermining the structure of the construction.

Geo-membranes can be used for:

- separation layer for the structure of roads, bridges, tunnels, railways etc.
- protection of the ground water from percolation from landfills.
- environmental protection from chemicals from petrol stations and chemical industries as a secondary layer.
- sealing of fertilizer tanks, water reservoirs, waste water lakes, rain water lagoons
- landfill capping and vertical barriers
- gas membranes, radon protection membranes

Application

The **MONARFLEX® Blackline 500, 750 & 1000** membrane is a geo and moisture barrier to be used over the foundation of houses and buildings, separating different material, preventing water from penetrating etc.

| Product Range | 500 | | 750 | | 1000 | |
|------------------------------|--|-----------|--|-----------|--|-----------|
| Roll Size | 4m x 25m | 4m x 100m | 4m x 25m | 4m x 100m | 4m x 25m | 4m x 100m |
| Weight (kg) | 50kg | 200kg | 70kg | 300kg | 100kg | 400kg |
| Product Code | 13882 | 13883 | 13886 | 13887 | 13891 | 13893 |
| Material | Black LDPE blown film Black LDPE Black LDPE blown film | | Black LDPE blown film Black LDPE Black LDPE blown film | | 330µm black LDPE blown film 330µm black LDPE 330µm black LDPE blown film | |
| Colour | Black | | Black | | Black | |
| Gross Weight | 500g/m ² (EN1849-2) | | 750g/m ² (EN1849-2) | | 925g/m ² (EN1849-2) | |
| Thickness | 0.5mm | | 0.75mm | | 0.99mm | |
| Tensile Strength | 7.8kN/m (EN12311-2) | | 11.7kN/m (EN12311-2) | | 15.0kN/m (EN12311-2) | |
| SD Value | >100m | | >150m | | >200m | |
| Water Vapour Transmission | 2x10 ⁻⁹ (m ² .s.Pa)/kg (EN1931) | | 1.5x10 ⁻⁹ (m ² .s.Pa)/kg (EN1931) | | 1.0x10 ⁻⁹ (m ² .s.Pa)/kg (EN1931) | |
| Tear Resistance | 166N (EN12310-1) | | 300N (EN12310-1) | | 400N (EN12310-1) | |
| Resistance to Static Loading | Pass @ 200N (EN12730-B) | | Pass @ 200N (EN12730-B) | | Pass @ 200N (EN12730-B) | |
| Puncture Resistance | 180N (FTMS-101C) | | 270N (FTMS-101C) | | 300N (FTMS-101C) | |

Health and Safety

Monarflex Blackline

Health and safety data sheets are available for all materials. Please go to monarflex.com.au for more information.

Quality Assurance

Monarflex® Geomembranes are supplied under a Quality Management System approved to ISO 9001: 2000 by BSI Quality Assurance.

