





Monarflex Reflex Super

Technical Data Sheet

Features

MONARFLEX Reflex Super is a high performance, six layer membrane manufactured from virgin low density polyethylene (LDPE) with a polyester reinforcing grid and an aluminium foil layer to give high strength, tear resistance and low permeability to gas. The membrane is coloured sand on the upper surface with a silver coloured underside.

Durability

MONARFLEX Reflex Super is part of the Monarflex gas control system and may be used loose laid with ground supported or suspended slabs and is suitable for use as a DPM when properly sealed and detailed to restrict the ingress of ground gases. Monarflex Reflex Super is recommended for use in situations of medium to high concentrations of radon gas or where methane, carbon dioxide and other gases are present

Application

Installation of a gas barrier must only be carried out by professionals. To form joints between adjacent sheets of Monarflex Reflex Super, lap the membrane by a minimum of 150 mm and seal. Where methane or carbon dioxide are present, the membrane should be extrusion welded at all laps and joints where possible.

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|---------------------------|----------------------------------------------------------|
| Product Name | Monarflex Reflex Super |
| | Roll Size KG Product Code |
| Product Range | 2 x 25m 19kg 13900 |
| | 2 x 50m 38kg 13901 |
| Durability | High |
| Material | Top Layer: LDPE with stabilizers, Clear |
| | Reinforcement: 12x12mm Polyester multifilament 1670 dtex |
| | Coater Layer: LDPE with stabilizers |
| | Aluminium: 12 micron Aluminium layer |
| | Coater Layer: LDPE with stabilizers |
| | Bottom Layer: LDPE with stabilizers, Sand |
| Colour | Sand |
| Reinforcement Grid | 12 mm x 12 mm grid of multifilament polyester 1670 dtex |
| Gross Weight | 440g/m2 (EN1849-2) |
| Thickness | 0.4mm (EN1849-2) |
| Tensile Strength | MD: >700N/50mm TD: >500N/50mm (EN12311-1) |
| Nail Tear Strength | >400N (EN12310-1) |
| Impact to Static Loading | Pass @ 200N (EN12730(B)) |
| Impact Resistance | <200mm (EN12691(A)) |
| Water Vapour Transmission | 6.18 x 10 ⁻¹⁴ (m2.s.Pa)/kg (EN1931) |
| Equivalent Air Thickness | Sd=>1500m (EN1931) |
| Methane Gas Transmission | <0.005cm3/hm2atm (Dti Internal Test) |
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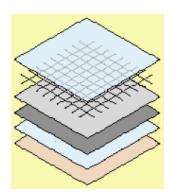
Health and Safety

Monarflex Reflex Super

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

Quality Assurance

Monarflex® Reflex Super is supplied under a Quality Management System approved to ISO 9001: 2000 by BSI Quality Assurance.



Top Layer LDPE with stabilizers, Clear

Reinforcement 12x12mm Polyester multifilament 1670 dtex

Coater Layer LDPE with stabilizers
Aluminium 12 micron Aluminium layer
Coater Layer LDPE with stabilizers
Bottom Layer LDPE with stabilizers, Sand







