



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.

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/m ² (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 (m ² .s.Pa)/kg (EN1931)		
Equivalent Air Thickness	Sd=>1500m (EN1931)		
Methane Gas Transmission	<0.005cm ³ /hm ² atm (Dti Internal Test)		
Fire Properties	EN13501-1 Class F		

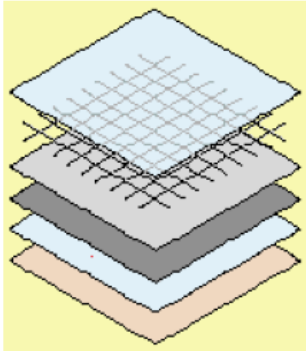
Health and Safety

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

