

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.

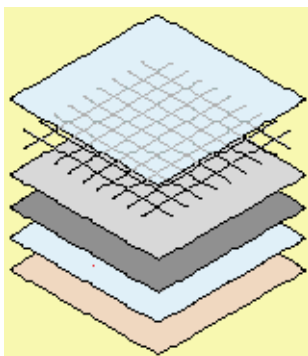
Durability

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 with a strip of 30mm wide Monobond Tape. Where methane or carbon dioxide are present, the membrane should be extrusion welded at all laps and joints where possible.

Available Sizes	Roll Weight	
2.00m x 25m 2.00m x 50m	19 kg 38 kg	
Gross Weight	440g/m ²	
Thickness	0.4 mm	
Tensile Strength	MD: >700N/50mm CD: >500N/50mm	EN 12311-1
Moisture Permeability	0.01 gm ² day ⁻¹	
Tear Strength	MD: >400N CD: >375N	EN 12310-1
Methane Gas Transmission	<0.005 cm ³ /hm ² atm	



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