



# Monarflex Radon DPC



EN 14909

08

Type A

## TECHNICAL DATA SHEET

Surface Upper	Black LDPE film with stabilisers
Intermediate Layer	Black LDPE film with stabilisers
Surface Lower	Black LDPE film with stabilisers
Colour	Black/Black

Characteristic	Test method	Value or statement	Units	Tolerance
Visible defects	EN 1850-2	pass	-	-
Length	EN 1848-1	20	m	-0 / +1 %
Width	EN 1848-1	0.9	m	± 0.005
Straightness	EN 1848-1	< 75	mm/10m	-
Mass per unit area	EN 1849-2	460	g·m <sup>-2</sup>	-5 / +10 %
Thickness	EN 1849-2	0.55	mm	± 25 %
Tensile strength	EN 12311-1	>350 (MD); >350 (TD)	N/50 mm	-
Elongation	EN 12311-1	>450 (MD); >550 (TD)	%	-
Nail Tear Strength	EN 12310-1	>200 (MD); >200 (MD)	N	-
Impact to static loading	EN 12730 (B)	≥20	kg	-
Resistance to impact	EN 12691 (A)	>250 (rigid support)	mm	-
Water vapour transmission	EN 1931	5.8x 10 <sup>-9</sup>	m <sup>2</sup> ·s·Pa·kg <sup>-1</sup>	±6 x10 <sup>-10</sup>
Equiv. air thickness	EN 1931	S <sub>d</sub> = 193	m	± 30
Radon transmittance	SP internal test	<1.6 x10 <sup>-8</sup>	m·s <sup>-1</sup>	-
Radon permeability	SP internal test	<7.9 x10 <sup>-12</sup>	m <sup>2</sup> ·s <sup>-1</sup>	-
Reaction to fire	EN 13501-1	Class F	-	-
Joint Strength (taped)	EN 12317-2	>100	N/50 mm	-
Resistance to low temp	EN 495-5	≤ -20	°C	± 1
Water tightness	EN 1928 (A)	pass	-	-
Durability of water tightness against ageing	EN 1296	pass	-	-
Durability against alkali	EN 14909 (Anx C)	NPD	-	-

NPD =No Performance Declared. MD = Machine Direction. TD =Transverse Direction.

### Description of product

Monarflex Radon DPC is a three layer moisture barrier comprising films of extruded low density polyethylene (LDPE) laminated to form a monolithic membrane.

### Type of application

Monarflex Radon DPC is intended for use as a dpc in applications such as walls and foundations. Membranes should be installed in accordance with the manufacturer's guidelines.

### Compatibility

The material is compatible with all materials normally used in its application. There are no harmful side effects associated with this material.

### Storage & Transportation

Rolls are delivered on pallets, covered with shrink wrapped bag. These materials should, when removed from pallets, be stored on side, under cover and on a flat, level surface, and protected from mechanical damage and heat sources. During storage exposure to direct sunlight is to be avoided.

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NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice.