


Monarflex Radon DPC 500

Application:

The Monarflex Radon DPC 500 product is a damp proof course, vapour barrier/moisture barrier that can be used for application between foundation and brick wall in a radon protection system.

Properties:

The Monarflex Radon DPC 500 has an excellent anti slip on both sides of the product to ensure the perfect joint between foundation and wall. The product is ageing resistant and further resistant to cement materials and common occurring alkaline.

Product data				
Built-up	LDPE with stabilizers			
Top side	LDPE with stabilizers			
Middle layer	LDPE with stabilizers			
Bottom side	LDPE with stabilizers			
Colour	Black			
Weight	460 g/m ² - 5% / +10%			
Application	The material is unrolled on the foundation either in foundation width or in an L or Z shape. All overlapping joints must be with a minimum of 100 mm. All penetrations or joints must be sealed with suitable sealer to form air tight joints			
Technical data	Unit	Value	Tolerance	Test method
Length	m	20,00	+1% -0%	EN 1848-2
Width	m	0,90	±5 mm	EN 1848-2
Straightness	Pass/Fail	Pass		EN 1848-2
Visible defects	Visible	No visible defects		EN1850-2
Thickness	mm	0,55	±25%	EN 1849-2
Tensile strength	N/50 mm	MD >350		EN 12311-2
		TD >350		EN 12311-2
Elongation	%	MD >450		EN 12311-2
		TD >550		EN 12311-2
Nail tear resistance	N	MD >200		EN 12310-1
		TD >200		EN 12310-1
Cold bend	°C	-20	±1°C	EN 495-5
Impact resistance	mm	≥250 (rigid support)		EN 12691, Method A
Static Load	Kg	≥20		EN 12730, Method B
Joint strength	N/50 mm	MD >100		EN 12317-2
		TD >100		EN 12317-2
Radon Permability	10 ⁻¹² M ² /s	7,9		SP test method
Radon Transmittance	10 ⁻⁸ m/s	1,6		SP test method
Sd value	m	193	±30	EN 1931
Water vapour transm.	m ² .s Pa/kg	5,8E-09	±6E-10	EN 1931
Water tightness	Pass/Fail	Pass (2kPa)		EN 1928, Method A
Alkali durability	Pass/Fail	NPD		Annex C
Fire classification	Class	F		EN 13501-1
Ageing after EN 1296				
Water tightness	Pass/Fail	Pass		EN 1928, Method A
Water vapour transm.	Pass/Fail	Pass		EN 1931
Classification	Damp Proof Course Type A – EN 14909			
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