



Hydrocarbon Membrane & DPC



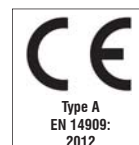
Radbar hydrocarbon complies with BS 8485:2015, EN 14909:2012 & EN 13967:2012, and in addition to this acts as an effective barrier against CO₂, radon, methane and hydrocarbon gases. This product is also suitable for a NHBC Amber 2 application. All the results below come from an independent test laboratory.

Length	EN 1848-2	M	-0% / +10%	20
Width	EN 1848-2	M	-0% / +2.5%	1.3
Thickness	EN 1849-2	mm	+10% / -10%	1
Mass	EN 1849-2	g/M ²	+2% / -2%	921
Tensile Strength - MD	EN EN 12311	N/mm ²	≥MLV	24
Tensile Strength - CD	EN EN 12311	N/mm ²	≥MLV	22
Tensile Elongation - MD	EN EN 12311	%	≥MLV	398
Tensile Elongation - CD	EN EN 12311	%	≥MLV	446
Joint Strength	EN12317-2	N	≥MLV	520
Watertightness 2kPa	EN 1928	-	Pass/Fail	Pass
Resistance to impact	EN 12691	mm	≥MLV	660
Resistance to static loading	EN12730	Kg	≥MLV	20
Resistance to nail tear - MD	EN 12310-1	N	≥MLV	700
Resistance to nail tear - CD	EN 12310-1	N	≥MLV	750
Durability - heat ageing	EN 1926	-	Pass/Fail	Pass
Durability - Chemical resistance	EN 1847	-	Pass/Fail	Pass
Water vapour permeability	EN 1932	g/m ² /day	≥MLV	0.08
Reaction to fire	EN 13501-1	Class	TYPE	F
Resistance to low temperature	EN 495-5	-	Pass/Fail	Pass @ -40
Methane permeability	ISO 15105-1	ml (m ² /day/atm)	≥MLV	28.4
Diesel permeability	ISO 6179	g/m ² h	≥MLV	0.096
Petrol permeability	ISO 6179	g/m ² h	≥MLV	5.172
Xylene permeability	ISO 6179	g/m ² h	≥MLV	4.845
Toluene permeability	ISO 6179	g/m ² h	≥MLV	6.695
Chemical Resistance - Acidic	EN 14414-A	% Elongation	≥MLV	MD - 367 CD - 488
Chemical Resistance - Basic	EN 14414-B	% Elongation	≥MLV	MD - 388 CD - 487
Chemical Resistance - Solvents	EN 14414-C	% Elongation	≥MLV	MD - 388 CD - 518
Resistance to Leaching - Hot Water	EN 14415-A	% Elongation	≥MLV	MD - 377 CD - 404
Resistance to Leaching - Aqueous Alkaline	EN 14415-B	% Elongation	≥MLV	MD - 361 CD - 428
Resistance to Leaching - Organic Alcohol	EN 14415-C	% Elongation	≥MLV	MD - 388 CD - 449
Radon Permeability *		M ² /S	≥MLV	9.5 x 10 ⁻¹²

* Test result from 360 micron material

As part of EN14414 and EN14415 there were no visual defects to the membrane for all methods A, B and C, the membrane's appearance remained as new.

N.B. The information provided in the datasheet is based on independent laboratory results and correct at the time of production



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