PRODUCT SPECIFICATION SHEET

RTEC 6

RTEC 6

PE + EVOH Ground Gas Resistant Membrane

COMPATABILITY DATA

	CIRIA 665 CS2	CIRIA 665 CS 3-6	BS8485: 2015	NHBC Amber 1	NHBC Amber 2	BRE 211 Radon	VOC & Hydrocarbons
Radon	*	N/A	*	*	*	*	N/A
Carbon Dioxide	*	N/A	*	*	*	N/A	N/A
Methane	*	N/A	*	*	*	N/A	N/A
VOC / Hydrocarbons	N/A	N/A	N/A	N/A	N/A	N/A	N/A

TECHNICAL DATA

	Value	Units	Test Method
Width	1-8	M	EN 1849-2
Length	100	M	EN 1849-2
Thickness	0.6	mm	EN 1849-2
Radon perm	1.0 x 1.0	m^2/s	K124/02/95
Methane perm	<4	$ml/m^2/day/atm$	BS EN ISO 15105-1
Carbon Dioxide perm	<6	$ml/m^2/day/atm$	BS EN ISO 15105-1
Density	0.939	g/m	EN ISO 1183
Resistance to Roots	impenetrable	-	CEN/TS 14416
Permeability to liquids	1.0 x 10 -6	$m^3/(m^2.d)$	EN 14150
Water Transmission Rate	0.11 -0.18	$g/m^2/day$	EN1931
Resistance to static load	>22	kg	EN 12730-B
Tensile strength (md)	650	N/50mm	EN 12311-2(A)
Tensile strength (cmd)	550	N/50mm	EN 12311-2(A)
Tensile Elongation(md/CMD	550	%	EN 12310-1
Tear Resistance (cmd)	500	N	EN 12310-1
Resistance to impact	>2000	mm	EN 12691(A)
Shear resistance of joint	Welded:400	N/50mm	EN 12317-2
Resistance to elevated temperature	pass	-	EN 1296

For technical assistance call: Paul Reeves on **07967 145773**.
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CE

TECHNICAL DATA continued

Resistance to liquid chemicals	pas	-	EN 1847
Reaction to fire	E Class	-	EN 13501-1
Resistance to Artificial Ageing	pass	-	EN 1296/EN 1928
Resistance to Chemicals	pass		EN 1847
Petrol	(ave) 3.4 x 10	mol/m².s.pa)	EN ISO 15105-2
Diesel	(ave) 3.4 x 10	mol/m².s.pa)	EN ISO 15105-2
Durability watertightness after artificial ageing	pass	-	EN 1926
Durability watertightness against chemicals	pass	-	EN1926

DESCRIPTION

RTEC 6 is a high-performance Ground Gas resistant membrane. The membrane is extremely robust and provides protection from moisture therefore negates the need for a separate DPM. Also suitable for hot air and wedge welding.

Complies to BS 8485:2015 & A1:2019 CE mark: EN13967:2012

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