


BRITAINS BEST RANGE OF BREATHER MEMBRANES

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 PERMAVENT Breather Membranes available in 1.5 x 50 mtr (75 sq.mtr) and 1.0 x 50 mtr (50 sq.mtr) rolls Breather Membranes Comparison Chart			BASE WEIGHT, g/m² This indicates how much the product weighs in grams per metre squared. It does not indicate performance. NOTE: Performance is not determined by weight alone (in the same way that steel and tungsten compare)	TENSILE MD/CD, mean N This test shows how easy it is to rip the membrane. The higher the number the better the performance. NOTE: Tensile strength has to be matched by nail tear resistance to show true performance**	ELONGATION MD/CD, mean% This test shows the percentage of flexibility before the membrane breaks and is a good indicator of how easy the membrane is to work with before failure occurs**	NAIL TEAR STRENGTH MD/CD mean N This test shows the real strength of the product and indicates how much pressure is required to pull a nail through the membrane. It is measured in Newtons**	MVTR, g/m²/24hr Water vapour permeability This test indicates how much moisture (under test conditions) can pass through 1 m.sq in 24hrs which is the	WATER TIGHTNESS, cm H₂O This test shows the membranes ability to keep water out of the roof (a pass means it was only tested to 100cm). This test indicates of how good the functional film is when compared with the vapour permeability (i.e lets moisture out yet stops water getting back in). Some air membranes can suffer from low water resistance!	VAPOUR RESISTANCE, MNs/g¹ Because the results of the water vapour permeability test can vary (due to the conditions created) the government has chosen this more reliable test as its bench mark and all breathers must be below 0.25MNs/g ¹ . Independent tests indicate that 0.16MNs/g ¹ should be achieved but generally the lower the better.
company	product	make							
PERMAVENT	ECO	THERMO	90	161.5	70.5	159.5	1960	527	0.11
	PERMAVENT	THERMO	115	208	111.5	161.5	1373	>450	0.15
	MAX	THERMO	140	254.5	93	180	1343	>600	0.15
CHESTER FELT	Active	N/A	155	N/A	N/A	N/A	1308	533	0.15
	Rapid	N/A	120	182	29.5	109.5	1552	521	0.13
CROMAR see below	Vent 3	THERMO	130	248	83.5	258	1176	591	0.17
DALTEX	RoofTX Maxi	THERMO	165	253.5	37	267.5	1387	589	0.15
	RoofTX	THERMO	125	6.35*	40.5*	100	1020	pass	0.20
	Dalpro	THERMO	125	6.35*	40.5*	100	1388	pass	0.15
DUPONT	Tyvek Supro	GLUED	145	275.5	21	125	935	237	0.22
	DB2112	THERMO	112	204	78.5	231	1151	463	0.18
	DB2130	THERMO	130	248	83.5	258	1176	591	0.17
ICOPAL	Monaperm700	THERMO	140	197.5	32.5	85	1194	731	0.17
JUTA	Jutadach 115	THERMO	122	217.5	58	151	1065	577	0.19
	Jutadach 135	THERMO	142	222	51	227	1112	553	0.18
KLOBER	Permo Forte	GLUED	175	324	15.5	156	1034	>200	0.20
KNAUF	Breathline	THERMO	140	205.5	36	84	935	100 pass	0.22
LAFARGE	Spiritech250	GLUED	151	389	15.85	330	1301	620	0.16
MERCURY	VapR-FREE Plus	THERMO	Original BBA no. 05/4233 removed. Product replacement details can be found below.						
	VapR-FREE	THERMO	112	204.5	78.5	231	1151	463	0.18
PROCTOR	Roofshield	THERMO	175	230	37.5	143.5	2409	114	0.09
WEB DYNAMICS	Web UV10	THERMO	112	197.5	60	75	983	452	0.21
	WebUV15	THERMO	130	220	60	100	1079	670	0.19
	Web Uv25	THERMO	165	290	55	172	975	878	0.21

* The reading given is not directly comparable

** Tensile, Elongation and Nail Tear Strength properties are obtained by measuring along its length and across its width. This often gives two different results. To help with understanding this table we have added both of these readings together and divided by 2 to give a mean average. Both of these figures are easily obtainable at www.bbacerts.co.uk

For comparison reasons breather membranes with identical properties are grouped together

DUPONT DB2112:	EBC Global2	DUPONT DB2130:	Kingspan Global2	CHESTERFELT ACTIVE:	TDP breather 120	CHESTERFELT RAPID:	TDP breather 150			
DALTEX RoofTX:	Ubbink Multivap 300	Alumaflex	Harcon VPU	Powerlon Ultraperm	VSL Ventaflex	Griltex Forst STX	Marley LW	Stormspell Ultrabreathe	Roofing Supplies Direct RSD Pro-Breathe	Visqueen Breathable Membrane
JUTADACH 115:	Mercury Roofers Choice	Mercury VapR-FREE Xtra	Cromar Vent 3 Classic	Griltex Forst Stx Master Lite	Ruberoid Balaroid Breather					
JUTADACH 135:	Mercury Roofers Choice HD	Mercury VapR-FREE Plus	Cromar Vent 3	Griltex Forst Stx Master	Ruberoid Balaroid Breather Plus					
DALTEX RoofTX MAXI:	Marley Super	DALTEX Dalpro:	Principal Building Products Rhinovent Pro							

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