Expol products - Properties table

Property	Unit	Expol Underfloor	Expol BLACK	Expol Thermaslab S	Expol Thermaslab M	Expol Thermaslab H	Expol Thermaslab VH	Expol Platinum Board	Expol X	Test Method
Material		EPS	EPS (with graphite)	EPS	EPS	EPS	EPS	EPS (with graphite)	XPS	
Density	kg/m3	12	18	16	20	24	28	18	30	
R Value	m2K/W	▼		▼	▼	▼	▼	▼	▼	AS 2464.5 or
Thickness	10mm			0.26	0.27	0.28	0.29	0.31		AS 2464.6
	20mm	-	-	0.53	0.54	0.56	0.57	0.63	-	
	25mm	-	-	0.66	0.68	0.69	0.71	0.78	-	
	30mm	-	-	0.79	0.81	0.83	0.86	0.94	1.00	
	40mm	-	-	1.05	1.08	1.11	1.14	1.25	1.25	
	50mm	-	-	1.32	1.35	1.39	1.43	1.56	1.55	
	60mm	**1.40**	**1.80**	1.58	1.62	1.67	1.71	1.88	-	
	70mm	-	-	1.84	1.89	1.94	2.00	2.19	-	
	80mm	-	-	2.11	2.16	2.22	2.29	2.50	-	
	90mm	-	-	2.37	2.43	2.50	2.57	2.81	-	
	100mm	-	-	2.63	2.70	2.78	2.86	3.13	-	
	110mm	-	-	2.89	2.97	3.06	3.14	3.44	-	
	120mm	**2.80** (Double Layer)	-	3.16	3.24	3.33	3.43	3.75	-	
Compressive strength at 10% deformation (min)	KPA	70	105	85	105	135	165	105	250	AS 2498.3
Cross breaking strength	KPA	135	200	165	200	260	320	200	-	AS 2498.4
Determination of flame propogation surface ignition										
Medium flame duration (max)	sec	2	2	2	2	2	2	2	-	AS2122.1-1993
Eighth value	sec	3	3	3	3	3	3	3	-	
Fire behaviour										
	FDI	5	5	5	5	5	5	5	-	AS/NZS
	SDI	0	0	0	0	0	0	0	-	1530.3:1999
Dimensional stability of length, width and thickness (max) at 70 deg C for 7 days	%	1	1	1	1	1	1	1	-	AS2498.6
Recycled content	%	30	0	0	0	0	0	0	0	
Rate of water vapour transmission (max) measured parallel to rise at 23℃	mg/m2s	630	520	520	520	460	400	520	-	AS 2498.5
Long term water absorbtion by immersion	% v/v	-	-	-	-	-	-	-	0.2	DIN EN 12087