

IROCK TECHNICAL DATA SHEET

ITEM	TEST STANDARD	UNIT	RESULT
Combustibility	AS 1530.1	-	Pass
Ignitability Index	AS 1530.3	-	0
Spread of Flame Index	AS 1530.3	-	0
Heat Evolved Index	AS 1530.3	-	0
Smoke Developed Index	AS 1530.3	-	1
Thermal Conductivity	ASTM C 518	W/mK	0.035
Emittance of Foil Facings	ASTM E408-71	E	0.05
Material R-value at 0.035W/mK <ul style="list-style-type: none"> ▪ 30mm Thickness ▪ 40mm Thickness ▪ 50mm Thickness ▪ 80mm Thickness ▪ 100mm Thickness 	ASTM C518 ASTM C518 ASTM C518 ASTM C518 ASTM C518	R-value R-value R-value R-value R-value	0.86 1.14 1.43 2.29 2.86
Unit Weight (Density)	Actual	Kg/m3	100
Compressive Strength	ASTM C165-07	KN/m2	10
Maximum Service Temperature	Actual	Degrees	<750
Melting Temperature	Actual	Degrees	>1000
Rockwool Content	Actual	%	>95
Resin Content	Actual	%	<5
Water Absorption	ASTM C1104	%	<1
Fungal Resistance	ASTM C655	-	Pass
Fibre Bio-solubility	ASCC	-	FSB-1
Corrosivity	Actual	pH	7-9