

ResCom[®] CMC ISO:8336 Compliance Test Register

Physical Properties	Testing Standard	Performance	Condition
Reaction to fire: 10mm W&C Lining	AS ISO 9239.1-2003 Part 1	0/0/0/0	HF-30(kW/m ²)
Reaction to fire: 20mm SF	AS ISO 9239.1-2003 Part 1	0/0/0/0	HF-30(kW/m ²)
Flame Spread & Combustibility	AS/NZS: 1530.1: 2014	Class A	As per test standards
Flame Spread & Combustibility	AS/NZS 3837:1998	Class A	As per test standards
Flame Spread & Combustibility	ASTM E84	Class A	As per test standards
Flame Spread & Combustibility	ASTM E2768-11	Class A	As per test standards
Flame Spread & Combustibility	BS 476: Part 4	Class One	As per test standards
Flame Spread & Combustibility	BS 476: Part 5	Class One	As per test standards
Flame Spread & Combustibility	BS 476: Part 6	Class One	As per test standards
Flame Spread & Combustibility	BS 476: Part 7	Class One	As per test standards
Flame Spread & Combustibility	BS 476: Part 11	Class One	As per test standards
Flame Spread & Combustibility	ISO 5660-1:2002	Class A1 & A _{fl}	As per test standards
Flame Spread & Combustibility	EN ISO 1182-210	Class A1 & A _{fl}	As per test standards
Determination to heat combustion	EN ISO 1716-2010	Class A1 & A _{fl}	As per test standards
Non Combustibility	ISO 13501-1:2007+A1:20029	Class A1	As per test standards
Non Combustibility	ISO 13501-1:2007+A1:20029	Class A _{fl}	As per test standards
FRL Systems Performance	BS 476: Part 21: 1987	102/102/71	As per test standards
FRL Systems Performance	BS 476: Part 22	>30min to <240min	As per test standards
FRL Systems Performance	ASTM E119	>30min to <240min	As per test standards
FRL Systems Performance	AS/NZS 1530: Part 4: 2014	>30min to <240min	As per test standards
FRL Systems Performance	AS/NZS:5113	Pass	As per test standards
Thermal Resistance m ² .K/W	0.027 & 0.045	ASTM C518-10	As per test standards
Thermal Conductivity W/mk	0.44	ASTM C518-10	As per test standards
Calorific Value	UNE-EN ISO1716 & 1182:2011	0.1092 to 0.2554	As per test standards
Water Impermeability Category A	EN 12467:2012	Pass	As per test standards
Vapour Permeability Category D	EN 12467:2012 Sec 5.4.6 & 7.3.4	u=80	As per test standards
Freeze-Thaw Category A	EN 12467:2012 Sec 5.5.2 & 7.4.1	Pass	As per test standards
Heat Rain Category A	EN 12467:2012 Sec 5.5.3 & 7.4.2	Pass	As per test standards
Soak-Dry Category A	EN 12467:2012 Sec 5.5.5 & 7.3.6	Pass	As per test standards
Swelling & Thickness	EN 317:1993	<0.2%	Wet
TVOC, Formaldehyde	ISO 16000-3, 6,9 & 11: 2006 & 2011	Zero	As per test standards
Dimensional conformance	ASTM C1185-08 (2012)	Pass	As per test standards
Density in kg/m ³	ASTM C1185-08 (2012)	1000	As per test standards
Water tightness	ASTM C1185-08 (2012)	Pass	As per test standards
Water absorption	ASTM C1185-08 (2012)	<13.2%	As per test standards
EQ Moisture content	ASTM C1185-08 (2012)	<5%	As per test standards
Moisture movement 30-90% relative humidity*	ASTM C1185-08 (2012)	0.064	As per test standards
Humidified deflection (mm) 32c,40%RH, 48hrs	ASTM C1185-08 (2012)	2.18	As per test standards
Average Bending Strength FL	ASTM C1185-08 (2012)	>14Mpa	Wet
Average Bending Strength Wall	EN 12467:2012 Sec 5.4.4 & 7.3.2	>12Mpa	Wet
Transverse Load-Roof: 10, 12, 16mm	ASTM E72-22 Section 12 & 20	Pass	Test load 4.45kN
Concertrated load-Roof 10, 12, 16mm	ASTM E72-22 Section 13 & 21	Pass	Test load 4.45kN
Transverse Load-Roof: 20mm SF	ASTM E72-22 Section 12 & 20	Pass	Test load 4.45kN
Concertrated load-Roof: 20mm SF	ASTM E72-22 Section 13 & 21	Pass	Test load 4.45kN