

FR.10

TECHNICAL PROPERTIES					
Property	Value	FR.10 Available Product Thickness			Test Method
		2 mm	5 mm	10 mm	
Maximum Weight	Kg / m ²	> 3.1	> 7.2	> 14.6	Calibrated weighing scales
Compressive Strength	MPa	> 29.4	> 34.9	> 29.3	According to BS EN ISO 604: 2003 for 5 mm & 10 mm and D695-15 for 2 mm
Compressive Modulus	GPa	> 7.4	> 10.4	> 14.4	According to BS EN ISO 604: 2003 for 5 mm & 10 mm and D695-15 for 2 mm
Flexural Strength	MPa	> 97.8	> 51.8	> 93.6	According to ISO 178: 2010 + A1: 2013
Flexural Modulus	GPa	> 8.38	> 7.92	> 15.5	According to ISO 178: 2010 + A1: 2013
Tensile Strength	MPa	> 69.1	> 88.1	> 59.1	According to BS EN ISO 527.4: 2013
Density	g / cm ³	> 1.15			Acc. to BS EN ISO 1183-1:2012, Method A
Colour	-	Black			Visual
Working Range	° C	-196 to +1500 for 120 mins plus			External and In-house testing
Standard Available Dimensional Size	cm	80 x 130			-

Testing carried out by:-

Warringtonfire, Holmesfield Road, Warrington, WA1 2DS

RISE Research Institute, Fire Research Dynamics, Box 857, 501 15 Borås, Sweden

Intertek Wilton, Room D135, The Wilton Centre, Redcar, TS10 4RF

Cambridge Fire Research, Brewery Rd, Pampisford, Cambridge CB22 3HG

BRE Global, Reaction to Fire Testing, Bucknalls Lane, Garston, Herts, WD25 9XX

CFP Composites in-house testing