

Smoke Sealing Document

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Protecta® FR Board 2-S systems (50mm and 60mm) have been tested for air permeability by Warringtonfire Testing and Certification Ltd (UKAS accredited); in accordance with EN 1026:2016 under the UK Construction Products Regulations 2013 (Basic Works Requirement BWR 3). Testing achieved negligible air leakage of less than 0.1m³/h at pressures up to 200Pa, significantly higher than the furnace pressure typically experienced during ASI530 fire testing, and are therefore considered smoke-sealed systems.

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ANNEX B – Air Permeability – Protecta FR Board

Product tested	1200mm high x 600mm wide Protecta FR Board 50mm 2-S		
	Summary of testing procedure		Result
	Pressure (Pa)	Leakage (m ³ /h)	Leakage (m ³ /m ² /h)
Results under negative chamber pressure	25	0.00	0.00
	50	0.01	0.01
	100	0.02	0.03
	200	0.04	0.06
	300	0.11	0.15
	450	0.49	0.68
	600	0.95	1.32
Results under positive chamber pressure	25	0.00	0.00
	50	0.01	0.01
	100	0.03	0.04
	200	0.08	0.11
	300	0.2	0.28
	450	0.63	0.88
	600	1.01	1.40

