

Technical Specification

Physical Properties	INSUreflector Typical Values	Test Method
Reflectivity A - With gridline pattern B - With circular pattern	99% 96%	ASTM C 1371:97
Emissivity A - With gridline pattern B - With circular pattern	0.01% 0.04%	ASTM C 1371:97
Aluminium foil thickness	9 micron	
Basic weight (composite)	270 GSM \pm 10%	
Composite thickness	4 mm \pm 0.2 mm	
Sound transmission class	28dB	IS: 9301 / ISO: 140 / ASTM: E 413
Corrosion resistance	No visible sign of corrosion	ASTM D 3310
Fire propagation	Conforms to BS 476 Part 6: 1989 Class 'O'	BS 476 Part 6:1989
Surface spread of flame	Conforms to BS 476, Part 7, Class 1	BS 476 Part 7:1997
Heat resistance	Thermal resistance 13.70 K m ² /W	ASTM C 236
Puncture resistance	39.24 Joules	TAPPI T 803
Fungus resistance	Pass	ASTM C 1338
Water vapour transmission 7 Days	Negligible	ASTM E 96
Water vapour transmission 28 Days	Negligible	ASTM E 96
Elongation at breaks	121%	ASTM D 882