

PRODUCT SPECIFICATIONS

Foilboard® Insulation Panel is manufactured from fire retardant expanded polystyrene with pure aluminium foil laminated to both sides, an anti-glare link is applied to one side that is designed to not impede with the reflectiveness of the foil. Where volume is sufficient Foilboard® can be manufactured in thicknesses of up to 100mm. Foilboard® Insulation Panel is manufactured in Australia from all Australian materials.

	Green 10	Green 15	Green 20	Green 25	Green 30	Green 40	Green 50
Reflectance							
Reflective face	97%						
Emittance							
Reflective face	E0.03						
Sheet thickness (mm)	10	15	20	25	30	40	50
Sheet size (mm)	2400 x 1200 2700 x 1200	2400 x 1200 2700 x 1200	2400 x 1200	2400 x 1200	2400 x 1200	2400 x 1200	2400 x 1200
Weight (g)	767 848	995 1100	1233	1467	1622	2170	2500
Density (kg/m ³)	13.5						
Core	Fire retardant SL grade EPS						
Surface	100% pure reflective aluminium						
Anti glare	Metal etching UV stabilized green ink						
Adhesive	Contact adhesive proprietary formula						
Ozone depleting substances							
Content	0						
Manufacture	0						
VOC (volatile organic compounds)							
Content	0						
Manufacture (g/L)	< 0.8						
Rate of vapour transmission (max) (ug/m ² s)	Nil						

PRODUCT TESTING

Thermal performance	AS/NZS 4859.1
Surface corrosion resistance	AS/NZS 4859.1 Appendix I
Thermal resistance	ASTM-C 518
Emittance	ASTM-E 408-71
Ignitability	AS 1530.3
Flame spread	AS 1530.3
Heat evolved	AS 1530.3
Smoke developed	AS 1530.3
Rigid cellular polystyrene - moulded	AS 1366.3
Nominal density	AS 1366.3
Cone calorimeter	AS/NZS 3837
Vapour transmission	AS 2498.5
Dry delamination	AS/NZS 4201.1
Wet delamination	AS/NZ 4201.2
Shrinkage	AS/NZS 4201.3
Water barrier	AS/NZS 4201.4

Comparative testing of some materials to AS 1530.3 – Early Fire Hazard Test

	Ignitability index (0-20)	Spread of flame index (0-10)	Heat evolved index (0-10)	Smoke developed index (0-10)
Foilboard®	0	0	0	0-1
EPS	12	0	3	5
Australian Softboard	16	9	7	3
Oregon	13	6	5	3

Source: EBS Notes on the Science of Building NSB66

Foilboard® Australia Pty Ltd is the owner of:

Registered trademark no: 674507 | Registered design no: 142133