

### PRODUCT SPECIFICATIONS

Foilboard<sup>®</sup> 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<sup>®</sup> can be manufactured in thicknesses of up to 100mm. Foilboard<sup>®</sup> Insulation Panel is manufactured in Australia from all Australian materials.

	Green 10	Green 15	Green 20	Green 25	Green 30	Green 40	Green 50
Emittance	Silver face E0.03						
Emittance	Antiglare face E0.05						
Thickness (mm) R Value (K.m <sup>2</sup> /W)	10 R0.26	15 R0.39	20 R0.52	25 R0.64	30 R0.78	40 R1.05	50 R1.3
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 <sup>3</sup> )	13.5						
Core	Fire retardant SL grade EPS 70 kPa at 10% compression						
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 <sup>2</sup> s)	Nil						

### PRODUCT TESTING

Thermal performance	AS/NZS 4859.1
Surface corrosion resistance	AS/NZS 4859.1 Appendix I
Thermal resistance AS/NZ4859.1 2018	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
Water barrier	AS/NZS 4201.4
Vapour transmission	AS 2498.5
Dry delamination	AS/NZS 4201.1
Wet delamination	AS/NZ 4201.2
Corrosiveness Testing of Insulation Material	AS/NZS 4859.1 App D

#### 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 <sup>®</sup>	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<sup>®</sup> Australia Pty Ltd is the owner of:

Registered trademark no: 674507 | Registered design no: 142133