

TECHNICAL DATA SHEET

Manufactured to Australian

Standard. AS/NZ 4859.1

CSI ID:1000334

PRODUCT SPECIFICATIONS

Foilboard Insulation Panel is manufactured from fire retardant expanded polystyrene with pure aluminium foil laminated to both sides, an anti-glare ink is applied to one side that is designed to not impede with the reflectiveness of the foil. Foilboard Insulation Panel is manufactured from Australian sourced materials.

	GREEN 10	GREEN 15	GREEN 20	GREEN 25	GREEN 30	GREEN 40	GREEN 50
R Value (K.m²/W)	R0.30	R0.43	R0.55	R0.67	R0.77	R1.0	R1.2
Thickness (mm)	10	15	20	25	30	40	50
Declared Thermal Conductivity (W/m.K)	0.033	0.035	0.036	0.038	0.039	0.040	0.041
Sheet Size (mm)	2400x 1200 2700 x 1200	2400x 1200 2700 x 1200	2400x 1200	2400x 1200	2400x 1200	2400x 1200	2400x 1200
Weight (g)	767 848	995 1100	1233	1467	1622	2170	2500
Density (kg/m³)	13.5						
Core	Fire retardant SL grade EPS 70 kPa at 10% compression						
Surface	100% pure reflective aluminium						
Antiglare	Metal etching UV stabilised green ink						
Adhesive	Contact adhesive proprietary formula						

Emittance	
Silver Face	E0.03
Antiglare Face	E0.06

Ozone depleting substances	
Content	0
Manufacture	0

VOC (volatile organic compounds)	
Content	0
Manufacture	0
Rate of vapour transmission (max) (ug/m²s)	0

PRODUCT TESTING & COMPLIANCE

Thermal performance	AS/NZS 4859.1
Surface corrosion & wet delamination resistance	AS/NZS 4859.1 Appendix E
Thermal resistance AS/NZ4859.1 2018	ASTM-C 518
Emittance	AS/NZS 4201-5-1994 ASTM E408
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
Shrinkage	AS/NZS 4201.3
Vapour Transmission	AS 2498.5
Dry Delamination	AS/NZS 4201.1

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.

MANUFACTURING PLANT
The Foilboard Insulation Panels are manufactured in Pakenham, Victoria.

DISCLAIMER
All statements and technical information contained herein are based on tests we believe to be reliable, but the accuracy thereof is not guaranteed. Users assume all risk and liability resulting from the use of the product and must confirm the suitability thereof by their own calculations. Conditions of Sale contain a limited warranty against manufacturing defects.

