

Technical Specifications

Specification	Standard	Rating
Emissivity	ASTM E 408-71	Silver: 0.03 Antiglare 0.06
Thermal Break (Thermal Resistance)	ASTMC518	R0.20
Thermal Performance	AS/NZS 4859.1	Compliant
Flammability Index	AS/NZS 1530 Part 2	≤5 Pass
Ignitability Index	AS/NZS 1530 Part 3	0 Pass
Spread of Flame Index	AS/NZS 1530 Part 3	0 Pass
Heat Evolved Index	AS/NZS 1530 Part 3	0 Pass
Smoke developed Index	AS/NZS 1530 Part 3	0 Pass
Oxygen Consumption	AS/NZS 3837	Group One Rating
Toxic Fume Performance	BS 6853	Non Toxic Pass
Airborne Sound Performance	AS 1191	STC 12 Rw (12dB reduction)
Vapour Barrier Performance	AS/NZS 4200	Medium
Duty Rating - Extra Heavy Duty	AS/NZS 4200	2.4mtr span (without product support mesh)
Edge Tear Test	AS/NZS 4200	Pass
Dry Delamination	AS/NZS 4200	Pass
Wet Delamination	AS/NZS 4200	Pass
Water Penetration	AS/NZS 4200	Pass
Shrinkage	AS/NZS 4200	Pass
Compression Recovery	ASTM D 545-84	95%
Load Bearing	ASTM D 545-84	10Kn
vapour-permeable		YES

Product Dimensions

Ethem 6.5mm		
Thickness	6.5mm	Nominal
Length	22.25mtr	30m ² cover per roll, plus overlap piece
Width	1.35mtr	
Weight	15Kg	Approximate Weight

WARRANTY

E-Therm™ is covered by a 15 year Residential & 10 year Commercial warranty.
See warranty sheet for further details.



E-therm
INSULATION

E-THERM™ 6.5mm Breathable Insulation Membrane TECHNICAL DATA SHEET

Total R-Values (m2.k/w)

15-22° Metal Roof Residential		Summer	Winter
Ventilated	over batten	2.7	1.2
Unventilated	over batten	2.5	1.5
Cathedral Ceiling	over batten	2.8	1.2
15-22° Tile Roof Residential			
Ventilated	under batten	2.8	1.2
Unventilated	under batten	2.5	1.5
Cathedral Ceiling	under batten	2.8	1.3
0-12° Commercial Roof			
Metal Roof with ceiling		3.3	1.5
Metal Roof(light colour) with ceiling	20mm	4.0	1.4
Metal Roof no ceiling		2.0	1.0
Metal Roof(light colour) no ceiling	20mm	2.6	1.0
Retrofit			
Residential Ceiling Ventilated		3.2	1.3
Residential Ceiling Unventilated		3.2	1.3
Commercial Retro(no ceiling)		3.1	1.3
Walls			
Brick Veneer		2.1	2.1
Bouble Brick		2.1	2.1
Weather Board		1.9	1.9
Metal Clad		1.9	1.9
Concrete Block		1.9	1.9
Concrete Pannel		1.9	1.9
Floors			
Timber enclosed		1.2	2.8
Concrete enclosed		1.2	2.5

