

104



RHINO CELL



Product Description

Rhino Cell 104 is a 3 in 1 insulation, vapour barrier and radiant heat barrier for use in roof, wall and floor systems.

The fibre-free, non-allergenic, formaldehyde free materials used in Rhino Cell provide a safe solution which is also easy to install.

Rhino Cell is strong, durable, has low flammability index (5) and is both rodent and insect resistant.

Available in Blue Antiglare surface finish.

Product Code	Description	Thickness mm	R-Value m ² K/W	Dimensions m	m ² per pack
RC-104 AG	Rhino Cell Antiglare	4mm	R-0.10	1.35 x 22.25 pack 0.32 dia. x 1.35 pack mass 11.5kg	30

Finished Product Performance

Compliance to AS 4859.1 & AS4200.1

TEST	DESCRIPTION	PARAMETER
ASTM E - 408	Emissivity	reflective face = 0.03 ± 0.01 antiglare face = 0.05 ± 0.01
AS/NZS 4859.1 App - I	Surface Corrosion	Pass
AS/NZS 4859.1 App - H	Corrosiveness	Pass
ASTM 1530.2	Flammability	Low index 5
ASTM 1530.3	Early Fire Hazard	Ignitability index - N/A Spread of Flame - 9 Heat Evolved Ind. - N/A Smoke developed Ind. - 5
AS/NZS 3837	Cone Calorimeter	BCA Classification 1
AS 1301.448	Duty Rating, Tensile Strength	EXTRA HEAVY
TAPPI T470	Duty Rating, Edge Tear Resistance	EXTRA HEAVY
AS 2001.2.19	Bursting Strength	Stated
AS 4201.1	Resistance to Dry Delamination	Pass
AS 4201.2	Resistance to Wet Delamination	Pass
AS 4201.3	Shrinkage	5%
AS 4201.4	Water Barrier	High
AS 4201.6	Absorbency	Unclassified
ASTM E-96	Vapour Transmission	Medium

Thermal Performance

Application	Heat Flow In	Heat Flow Out
Warehouse metal roof retrofit, fully sealed	R-3.0	R-0.8
Floor, suspended timber enclosed sub floor	R-3.1	R-1.6
Commercial office metal roof, with ceiling	R-3.5	R-1.2
Residential Pitched Metal roof 22°, ventilated	R-2.5	R-1.1
Brick veneer wall	R-1.9	R-2.1

R values shown are Total R values for the building element calculated by a chartered professional engineer and verified by a recognised laboratory. Total R values of the above systems for winter and summer conditions have been determined in accordance with the requirements of AS/NZS4859.1:2002 Amdt 1 2006, App K.

The contribution of this product total R-value depends on installation and environmental conditions. The R-value will be reduced in the event of the accumulation of dust on upward facing surfaces and in those cavities that are ventilated.

Product specification

WIDTH:	1.35m
LENGTH:	22.25m
AREA:	30m ²
THICKNESS:	4mm ± 1mm
LAMINATE 1:	Polyethylene weave Al Foil
BUBBLE COMPOSITION:	Polyethylene
LAMINATE 2:	Polyethylene weave Al Foil

Manufacturing
Process:



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