

Brand: JUMBO Insulation

Thickness: 100mm

Roll Size: 6m x 1200mm

m² per Roll: 7.2m²

Fire Properties: Class B/B1/B2

Thermal Properties: R-Value 2.20 (m².k)/W

Density: 10.1kg/m³

Material Description: Polyethylene Terephthalate

Recommended Areas: East London, Durban, Richards Bay, Louis Trichardt & Nelspruit

Specification: Lay 100mm JUMBO Insulation on the ceiling ensuring that it fits tightly between the tie beams.

Legend Zone

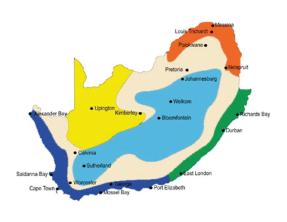
JUMBO Insulation should be cut 50mm wider that the distance between the tie beams. Cut JUMBO Insulation out around down lights. Cut JUMBO Insulation out around trap doors. Stick the cut section to the back of the trap door using a good quality contact adhesive. Wrap JUMBO Insulation around cold and hot water pipes ensuring that there is 10mm overlap.

Secure the JUMBO Insulation using cable ties at 300mm centres.

Description

Cold Interior

Map of the Climatic Zones and Recommended Levels of Insulation in your area.



	2	Temperate Interior	Pretoria, Polokwa	ane			2.88	115	115mm		
	3	Hot Interior	Nelsprui	it		2.50	100	100mm			
	4	Temperate Coastal	Cape Town, Port		3.38	135	135mm				
	5	Sub-tropical Coastal	East London, Du	Bay	2.50	100	100mm				
	6	Arid Interior	Upington, Kimbe	rley		3.38	135	135mm			
Recommended Levels of Insulation to Achieve Deemed-To-Satisfy Rule for Energy Efficiency in an Unventilated Roof and Ceiling Construction											
		Climate Zones	1	2	3	4	5	6			
		ed Total R-Value (m². ce of more than 0.55	3.7	3.2	2.7	2.7 3.7		3.5			
Direction	of hea	t flow	Up	Up	Down and Up	Up	Down	Up			
Estimated Total R-Value (m².K/W) of roof and ceiling materials (Roof covering & plasterboard only)					0.35 - 0.40				0.35 - 0.40		

Major Centres

Johannesburg, Bloemfontein

R-Value

3.38

Thickness

135mm

2.15 -

2.30 - 3.35

3.10 -

3.15

Generic Insulation Product	Density kg/m³	Thermal conductivity	Example: Roof construction description: metal/tile roof 22°- 45° pitch with horizontal ceiling. DTS - Recommended deemed-to-satisfy min thickness (mm) of bulk insulation product only: or RB: System option with addition of Radiant barrier over rafters - approx (mm) of bulk insulation required.												
		Kg/III	W(m.k.)	DTS	RB										
				product	system										
	Flexible Polyester Blanket	11.5	0.16	160	120	140	100	120	80	160	120	110	75	150	120

 $(m^2.K/W)$

Estimated Minimum added R-Value of Insulation

pelican systems | JUMBO insulation