JUMBO Insulation Brand:

Thickness: 135mm

Roll Size: 5m x 1200mm

m² per Roll: 6m²

Fire Properties: Class B/B1/B2

Thermal Properties: R-Value 2.70 (m².k)/W

Density: 10.1kg/m³

Material Description: Polyethylene Terephthalate

Recommended Areas: Bloemfontein, Cape Town, Port Elizabeth, Johannesburg, Uppington, Kimberly

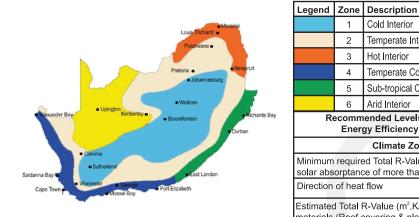
Specification: Lay 135mm JUMBO Insulation on the ceiling ensuring that it fits tightly between the tie beams.

> 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.

Cold Interior

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



	2	Temperate Interior	Pretoria, Polokw		2.88	115	115mm				
	3	Hot Interior	Louis Trichardt, I		2.50	100	00mm				
	4	Temperate Coastal	Cape Town, Port		3.38	135	imm				
	5	Sub-tropical Coastal	East London, Du	Bay	2.50	100)mm				
	6	Arid Interior	Upington, Kimbe		3.38	135	imm				
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				
Minimum required Total R-Value (m².K/W) (for roof solar absorptance of more than 0.55)					3.2	2.7	2.7 3.7		3.5		
Direction	of hea	t flow	Up	Up	Dowr and U		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

2.30 - 3.35

Thickness

135mm

Generic Insulation Product	Density kg/m³	Thermal conductivity W(m.k.)	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.											
			DTS	RB	DTS	RB	DTS	RB	DTS	RB	DTS	RB	DTS	RB
			product	system	product	system	product	system	product	system	product	system	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

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