

# GET PUMPED



with  
**ECO-INSULATION**  
*Cellulose Fibre Ceiling Insulation*  <sup>TM</sup>

# Get Pumped with....



## ENERGY EFFICIENCY

ECO-INSULATION's combination of exceptional thermal R-Values, sound insulation and its ability to cover 100% of the area being treated, ensure that indoor temperatures are ideally regulated, **keeping interiors warm in winter and cool in summer; reducing heating and cooling costs.**



## QUALITY

ECO-INSULATION does not deteriorate or lose efficiency over time, and **comes with a lifetime guarantee.**



## CONVENIENCE

ECO-INSULATION **does not require on-site storage pre-installation, you call, we install.**



## SERVICE

ECO-INSULATION is a complete solution offering top quality service, product and installation, with **more than a decade's experience and almost 20 agencies nationwide.**



## VALUE

ECO-INSULATION mats together and stays in place, giving **100% coverage of the entire area, all the time.**



## SAFETY

ECO-INSULATION is **rodent- and insect-unfriendly, non-irritant, non-allergenic and fire resistant (fire-rated B/B1/2 'no spread of flame')**



## COMPLIANCE

ECO-INSULATION is fully SABS-approved and **meets the energy-efficiency requirements as set out by the updated National Building Regulation SANS 10400-XA**, and has the necessary Product Compliance Certificate (PCC) issued by the Thermal insulation Association of South Africa (TIASA).



## ENVIRONMENTALLY FRIENDLY

ECO-INSULATION is 100% environmentally friendly and biodegradable, made locally from recycled newsprint – no glass, plastic or other harmful synthetic products. Suitable for installation in almost all ceilings, irrespective of space and structure, ECO-INSULATION offers exceptional thermal and sound insulation.



...and experience the difference.

**ECO-INSULATION**  
Cellulose Fibre Ceiling Insulation™

The National Building Regulation's SANS 10400-XA stipulates insulation specifications according to the climatic zone and its required R-Value.



Zone	Description
1	Cold interior
2	Temperate interior
3	Hot interior
4	Temperate coastal
5	Sub-tropical coastal
6	Arid interior

\* The R-Value of an insulation product is its ability to restrict heat flow or Thermal Resistance Value (TRV). The greater the R-Value, the greater the insulating effectiveness of the product. ECO-INSULATION has a design specification for each climatic zone.

CLIMATIC ZONES			1	2	3	4	5	6							
Minimum required Total R-Value (m <sup>2</sup> K/W) (for roof solar absorptance of more than 0.55)			3.7	3.2	2.7	3.7	2.7	3.5							
Direction of heat flow			Up	Up	Down & Up	Up	Down	Up							
Estimated Total R-Value (m <sup>2</sup> K/W) of roof and ceiling materials (Roof covering & plasterboard only)			0.35-0.40				0.41-0.53	0.35-0.40							
Estimated Minimum added R-Value of insulation ((m <sup>2</sup> K/W))			2.30 -3.35				2.17-2.29	2.80-3.15							
Generic Insulation Products	Density Kg/m <sup>3</sup>	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 Product	RB System	DTS Product	RB System	DTS Product	RB System	DTS Product	RB System	DTS Product	RB System	DTS Product	RB System	
1	Cellulose Fibre Loose-Fill	27.5	0.040	135	100	115	95	100	70	135	100	100	65	130	100

Get pumped with ECO-INSULATION in either your new or retrofit project!  
We will integrate with your building routine and schedule.

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ECO-INSULATION is a previous recipient of the Southern African Energy Efficiency Association's Company of the Year Excellence Award.

