

Get it installed

ISOTHERM THERMAL INSULATION is easy and safe to install.

ISOTHERM is supplied in rolls of either 750mm or 1200mm wide and is suitable for standard housing construction.

- **Measure accurately.** Measure the distance between the roof beams or roof trusses and then select the correct roll of **ISOTHERM**.
 - **Trim ISOTHERM to specific sizes before entering the roof space.** This is easily done - tear or cut it with a pair of industrial scissors or shears.
 - **Do not walk on the ceiling boards.** Take care to only walk on crossbeams, truss ties or balancing boards.
 - **Position ISOTHERM correctly.** Place **ISOTHERM** above and in close contact with the ceiling; fit snugly between the roof beams and trusses.
 - **Ensure continuous insulation.** Carefully butt the ends of the rolls or overlap to ensure maximum effectiveness.
 - **Allow a 150mm gap around flue pipes, ceiling fans and recessed lights.**
 - **Wrap ISOTHERM around geysers and water pipes for further energy saving.**
 - **Do not block ventilation points with insulation.** This includes eaves gaps and air bricks at gable ends. Keep clear to ensure that the airflow is maintained.
- **Do not waste off-cuts.** Use them wisely - fill in gaps, crevices and corners.
 - **Do not put ISOTHERM in direct contact with metal chimney fabrications or flues passing through the loft space.**
 - **Do not forget to insulate under the geyser and above the trap door.**



Installation guide
for ceilings.


ISOTHERM
Thermal Insulation

Get results.

Get comfort

ISOTHERM keeps you and your family warm in winter and cool in summer.

Get safety

ISOTHERM is made from polyester and is 100% people-friendly. It is safe and easy to install; no gloves or breathing apparatus required.

Get quality

ISOTHERM is manufactured by Brits Nonwoven and is an Agrément certified product. **ISOTHERM** is economical and the best thermal insulation product to use in terms of guaranteed quality.

Get comfort, quality and safety with ISOTHERM THERMAL INSULATION.

Get green

Made from recycled PET bottles, **ISOTHERM** helps to fight unemployment and sustain the ecology and economy of the country.

Depending on the thickness of **ISOTHERM** installed and the climatic zone, **ISOTHERM's** performance is as follows:

In summer

You get maximum temperature reduction of up to 7°C when **ISOTHERM** insulated ceilings are correctly installed.

In winter

You get a reduced heating energy requirement of between 40% and 70% in a standard house.

Get the facts and benefits

Non-toxic

No chemical additives, no odour or emissions of volatile organic compounds.

Fire performance

ISOTHERM complies with SANS 10400 The Application of the National Building Regulations, as an insulation material.

Tested in accordance with: SANS 428 : Fire Performance Classification B/B 1/2.

ASTM – E 84 : Spread of flame: nil.

BS 5803 part 4 : Does not smoulder.

Test reports available on request.

ISOTHERM may be used as specified for all types of buildings

Polyester

No loose fibres – no itching.

No rashes – even after prolonged skin contact.

ISOTHERM is non-allergenic.

Maintenance-free

ISOTHERM is resistant to condensation and associated fungi and bacteria. **ISOTHERM** retains loft and does not degrade over time.

Eco-friendly

ISOTHERM is made using polymer from recycled PET bottles and is completely recyclable.

subject to the provisos listed in Part T of Section 3 of SANS 10400.*

Thickness	Density	Reduction in heat flow	Thermal Resistance "R" Value	Total R-value (incl ceiling and roof materials)	Noise Reduction Coefficient (NRC)	Available Sizes (length)	Available Sizes (width)	Climatic Zone
40mm (Budget)	7.5kg/m3	Not yet tested	-	-	-	10m	750 / 120cm	-
40mm	10kg/m3	69%	0.72	1.07	-	10m	750 / 120cm	-
50mm	10kg/m3	72%	0.90	1.25	0.6	10m	750 / 120cm	-
75mm	10kg/m3	78%	1.36	1.71	0.75	8m	750 / 120cm	-
100mm	10kg/m3	83%	1.81	2.16	0.75	6m	750 / 120cm	-
110mm *	11.5kg/m3	≥ 83%	2.39	2.79 *	≥ 0.75	5m	750 / 120cm	3 & 5
130mm *	11.5kg/m3	≥ 83%	2.83	3.23 *	≥ 0.75	5m	750 / 120cm	2
160mm *	11.5kg/m3	≥ 83%	3.48	3.88 *	≥ 0.75	4m	750 / 120cm	1, 4 & 6

*SANS 10400XA Energy Efficiency in Buildings Compliant

Get ISOTHERM

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ISOTHERM

Thermal Insulation



SANS
1381:1



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