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VERSATILITY
Get it.



**Installation guide for
hollow wall structures.**



ISOTHERM
Thermal Insulation



SANS
1381:1



brits
nonwoven



ISOTHERM
Thermal Insulation

Get results.

Get comfort, quality and safety with ISOTHERM THERMAL INSULATION.

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 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

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.

Energy-saving

ISOTHERM saves energy.

In less than 3 years **ISOTHERM** can pay for itself by savings on electricity usage.

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/m ³	Not yet tested	-	-	-	10m	750 / 120cm	-
40mm	10kg/m ³	69%	0.72	1.07	-	10m	750 / 120cm	-
50mm	10kg/m ³	72%	0.90	1.25	0.6	10m	750 / 120cm	-
75mm	10kg/m ³	78%	1.36	1.71	0.75	8m	750 / 120cm	-
100mm	10kg/m ³	83%	1.81	2.16	0.75	6m	750 / 120cm	-
110mm *	11.5kg/m ³	≥ 83%	2.39	2.79 *	≥ 0.75	5m	750 / 120cm	3 & 5
130mm *	11.5kg/m ³	≥ 83%	2.83	3.23 *	≥ 0.75	5m	750 / 120cm	2
160mm *	11.5kg/m ³	≥ 83%	3.48	3.88 *	≥ 0.75	4m	750 / 120cm	1, 4 & 6

*SANS 10400XA Energy Efficiency in Buildings Compliant

Exterior Timber Frame Walling



ISOTHERM is safe and easy to install and will not sag in hollow wall frame structures.

ISOTHERM will not support the spread of flame



Get prepared

ISOTHERM is supplied in roll form; allowing you to cut to your customised size and shape. This is easily done by tearing or cutting with a pair of industrial scissors or shears.

Cut the **ISOTHERM** to size or slightly bigger than the frame size depending on the thickness of product used.

A minimum of 50mm is recommended. Variable widths are available.



Get it done

Position **ISOTHERM** correctly. Position closely to the cladding material and ensure a snug fit.

Ensure continuous insulation. Carefully butt the ends of the rolls or lap to ensure maximum effectiveness.

Ensure that the **ISOTHERM** is positioned behind cables, conduits and plug points, leaving them exposed.

Do not waste off-cuts. Use them wisely by filling in gaps, crevices and corners.

