

# PRODUCT SPECIFICATION



**PRODUCT:** **ISOTHERM THERMAL INSULATION**  
**SANS 10400XA Compliant**

**DESCRIPTION:** 100% polyester thermally bonded nonwoven.

**TYPICAL END USE:** It is used predominantly as roofing insulation where it offers a micro-climate for porosity, sound proofing as well as excellent compression resistance and loft retention.

<b>Fibre Composition</b>	80% Regenerated PET ; 20% Virgin LMF		
<b>Weight gm<sup>2</sup> +7.5%</b>	<b>1150</b>	<b>1550</b>	<b>1670</b>
<b>Thickness mm ±10%</b> <i>(Determined in accordance with ASTM C167)</i>	<b>100</b>	<b>135</b>	<b>145</b>
<b>Density Kg/m<sup>3</sup></b>	<b>11.4Kg/m<sup>3</sup></b> <i>(Determined in accordance with ASTM C167)</i>		
<b>Combustibility</b>	<b>B/B1/2</b> <i>(determined in accordance with SANS 428)</i>		
<b>R- Value m<sup>2</sup>.K/W</b> <i>(determined in accordance with SANS 428)</i>	<b>2.33</b>	<b>3.14</b>	<b>3.37</b>
<b>Total R-value including Roof and Ceiling Assembly</b>	<b>2.73</b>	<b>3.54</b>	<b>3.77</b>
<b>Suitable for Climatic Zones as per SANS204</b>	<b>3/5</b>	<b>2/6</b>	<b>1/4</b>
<b>Width cm (+2.5cm; -1cm)</b>	75cm – or – 120cm		
<b>Roll Length m (+2.5cm; -1cm)</b>	<b>6.00</b>	<b>5.00</b>	<b>5.00</b>
<b>Water Vapor Barrier</b>	N/A		
<b>Safety Precautions during Handling and Installation</b>	No particular hazards known. The Polyester fibres used in the manufacturing of ISOTHERM are not known to cause allergies. To date, proper use of this fibre product has not been associated with any detrimental effects on health.		
<b>Transportation</b>	ISOTHERM is transported in Roll form and is classified as Non Hazardous		
<b>Storage</b>	Rolls are stored laid horizontally and stacked no more than ten 10 units high.		
<b>Installation Guidelines</b>	Lay loose on ceiling board or suspended between trusses with restraining wires at 300mm intervals.		

- Note:
1. Refer to our standard conditions of sale for suspect material evaluation methods.
  2. Brits Nonwoven reserves the right to amend specifications.
  3. The information given here is the best available to the author of this document on the date of issue. It does not constitute a contractual description of the product properties. Please refer to the MSDS for further Info.

Q.A: E. ABRAHAMS	DATE: 19/09/2013	SALES:	DATE:
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<b>CUSTOMER ACCEPTANCE:</b>	<b>COMPANY:</b>
<b>DATE:</b>	<b>DESIGNATION:</b>