



Thermocoustex™ Fibre Insulation (Polyester – Foil Optional)

Description: A thermally bonded blanket (with or without foil) manufactured using recycled polyester (PET Coke bottles) ideal for both thermal and acoustic insulation

Packing: Polythene tube
Rolls: 1200mm wide x 5m – 10m long

Thermal Conductivity: 0,038 W/m²⁰C

R-Value: 50mm 1.31m².K/W

Density: 24kg/m³ - 80kg/m³

NRC Value: 0.73

Weight: 50mm 1.20kg/m² - 4.00kg/m²
 25mm 0.70kg/m² - 2.00kg/m²

Properties:

- Suitable for domestic roofing and cavity walls for wooden houses where acoustic and thermal insulation is required.
- Installed on top of ceilings or over Purlin.
- Non-corrosive, lightweight and made to length
- Reduces heat loss and air-conditioning energy

Fire:

- Complies with SAN 428 Fire Standards
- Does not contribute to flame spread
- FTC08-033a 15/05/2008 – B/B1/2

Thermal and Acoustic Properties of Thermocoustex Fibre

Ceilings	Finish	Density	NRC Value	R-Value (on insulation only)	U-Value (on total structure)	Percentage Reduction	ODP
50mm Thermocoustex Fibre	None	24kg/m ³	0,73	1,35m ² .K/W	0,57W/m ²⁰ C	75.78%	0%

Over Purlin Application	Finish	Density	NRC Value	R-Value (on insulation only)	U-Value (on total structure)	Percentage Reduction	ODP
50mm Thermocoustex Laminated Foil Roll (over Purlin)	Foil Faced	24kg/m ³	0,73	2.05m ² .K/W	0,44 W/m ²⁰ C	91.23% (Compressed 89.31%)	0%



**Fiber Over Purlin
Suspended on Wires
Airport**



**Fiber with foil
Over Purlin
Casino**



**Fiber on Wires
Studio**



Thermocoustex™ Fibre (Both Insulation & Acoustic properties)

Manufactured in rolls using recycled Polyester PET bottles (e.g. Coke Bottles) in plain fibre or with a foil laminated finish. These rolls can be used over purlins, between purlins or in dry wall applications.



This fibre blanket is an excellent thermal insulator and acoustic insulator from external noise, as well as an excellent acoustic absorber of internal noise. (Also acts as a reflective barrier and water vapor barrier if the foil option is chosen.)

V&A Waterfront Clocktower (In Ash Grid)



Cape Town Int. Airport

Grundfos Spandril Panels

Projects Include; V & A Waterfront Clocktower, Gautrain, OR Tambo & Cape Town International Airports, Virgin Active Health Centre's, Roeland Street, Virgin Active Health Clubs, Canal Walk Shopping Centre, Cape Town International Film Studio, Silverstar Casino, Kigali Airport and many domestic products.