

Thermocore Product Datasheet

Reference:	D-061
Revision:	1
Issue Date:	08/08/2025

Product Highlights

- ✓ Excellent Insulation.
- ✓ Lightweight.
- ✓ Thermally efficient.
- ✓ Clean room ready.
- ✓ Easy to cut.
- ✓ Durable.
- ✓ Hygienic.

Standard Specification

- 1190 module width.
- Architecturally flat, V-rib, Micro-rib and Castellated profiles.
- PIR TC35 (35kg/m³ density).
- PIR TC40 (40kg/m³ density).
- White polyester lining 0.5mm gauge.
- White polyester lining 0.7mm gauge – FS12 only.
- Minimum panel length 1.8m.
- All panel lengths subject to technical verification.

Product Tolerances

Length	Width	Thickness	Corners	Flatness	Joint Gap
± 10mm	± 5mm	± 2mm	± 3mm	1.5mm from the theoretical flat plane over a distance of 700mm	+ 3mm / - 0mm

Insulation Test Results

Panel Thickness (mm)	C35		C40	
	U-Value Wm ⁻² K ⁻¹	R-Value m ² K/W	U-Value Wm ⁻² K ⁻¹	R-Value m ² K/W
40	0.5	1.99		
50	0.41	2.44		
75	0.28	3.58		
100			0.21	4.72
125			0.17	5.85
150			0.14	6.99
175			0.12	8.12
200			0.11	9.26

Weighted Sound Reduction (db) / Panel Weight Per kg/m²

Panel Thickness (mm)	TC35		TC40	
	Sound Reduction	Panel Weight (kg/m ²)	Sound Reduction	Panel Weight (kg/m ²)
40	19	12.63		
50	20	12.98		
75	21	13.86		
100			22	15.23
125			24	16.23
150			25	17.23
175			26	18.23
200			27	19.23

Application

Thermocore is an insulated wall and ceiling panel offering exceptional u-values, mechanical stability and excellent flatness.

Suitable for clean rooms as well as temperature-controlled applications, the Thermocore range is versatile, lightweight and easy to install.

Thermocore panels have a PIR core. This closed cell foam has excellent thermal performance, good shear and tensile strength, relative to its weight. These benefits make our insulated panels ideal for freezers, chill stores and areas of high humidity.



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