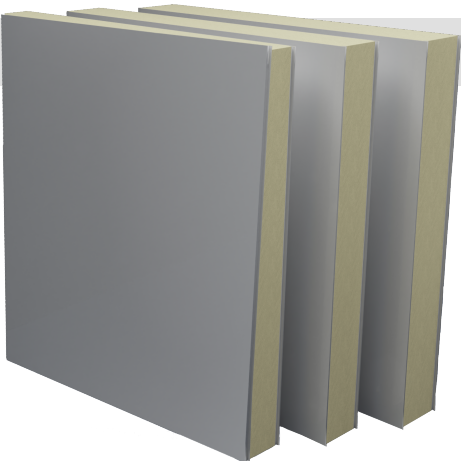


Thermocore 40

Product highlights

- Thicker PIR range (100mm-200mm)
- Higher thermal efficiency
- Manufactured under ISO 9001:2016
- Versatile for walls and ceilings
- Hygienic and moisture-resistant
- LPS 1208 certified
- Lightweight and simple to install
- Ideal for controlled environments



Thermocore 40 technical performance

Panel thickness	Test results					
	U-Value as per EN14509	R-Value as per EN14509	Weight ⁽¹⁾	Sound reduction	U-Value ⁽²⁾	R-Value ⁽²⁾
	Wm ⁻² K ⁻¹	m ² KW ⁻¹	kg/m ²	dB	Wm ⁻² K ⁻¹	m ² KW ⁻¹
100mm	0.250	3.975	11.990	22	0.210	4.720
125mm	0.200	4.976	12.965	24	0.170	5.850
150mm	0.170	6.008	13.940	25	0.140	6.990
175mm	0.140	7.001	14.915	26	0.120	8.120
200mm	0.120	8.029	15.890	27	0.110	9.260

(1) Panel weights based on 0.5mm gauge steel to both faces.

(2) We have published two sets of U-Values and R-Values. As per BS EN 14509 we have tested our full panels, including their joints. U-Value⁽²⁾ and R-Value⁽²⁾ considers a section in the centre of a single panel only.

Product tolerances as per EN14509 ⁽³⁾					
Length (L)	Cover Width (W)	Thickness (D)	Squareness	Flatness	Joint Gap
L ≤ 3m ± 5mm	± 2mm	D ≤ 100m ± 2mm	0.006 x nominal cover width	1.5mm from the theoretical flat plane over 700mm	+3mm / -0mm
L ≥ 3m - ± 10mm		D ≥ 100m ± 2%			

(3) Product is produced strictly to EN 14509:2013 manufacturing tolerances.

Standard specification

Module width

1190mm standard module

Profile options

Available in flat, V-rib, micro-rib and castellation

Core specification

PIR TC40 (40kg/m³ density)

Steel faces

White polyester lining, 0.5mm gauge
Other steels available

Panel length

Minimum 1.2m - maximum 12m
Shorter lengths available on request (subject to cutting charge)
All unsupported spans subject to technical verification