



Warmatherm Acoustic Ceiling Pads

Warmatherm Acoustic Poly Pads are supplied as standard with a semi-rigid 45 kg/m³ rock mineral fibre core, with higher-density options available on request. The insulation is fully encased in black polythene to minimise fibre shedding.

Designed for simple installation above lay-in grid suspended ceiling systems, Warmatherm Acoustic Poly Pads reduce noise break-in and break-out while also enhancing the sound absorption performance of the ceiling tile system.

TECHNICAL INFORMATION

Warmatherm Acoustic Poly Pads are supplied as standard with a 45 kg/m³ rock mineral fibre core. For applications requiring enhanced performance, pads can also be manufactured with higher-density insulation.

The 45 kg/m³ rock mineral fibre core is produced under ISO 9001 quality management standards.

The core product is classified as A1 in accordance with BS EN 13501-1 making the material non-combustible.

STANDARD SIZES

Available as standard in thicknesses

Thicknesses: 25mm, 50mm, 75mm, 100mm and 150mm

Dimensions: 600 x 600mm, 1200 x 300mm, 1200 x 600mm

Other custom sizes available upon request.

ACOUSTIC PERFORMANCE

Warmatherm Acoustic Poly Pads, when installed in the correct application and used in conjunction with mineral fibre suspended ceilings can dramatically reduce noise break in/break out.

A 50 mm pad with a density of 45 kg/m³, when correctly installed, can achieve noise reduction levels of up to 45 dB. Using a pad with a 60 kg/m³ core increases performance to approximately 48 dB. For applications requiring greater acoustic control, higher-density insulation may be specified. Acoustic performance can also be enhanced by increasing the suspended ceiling depth, using a thicker insulation core or selecting a higher-performing ceiling tile.

NOISE REDUCTION CO-EFFICIENTS

Thickness	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
25mm	0.10	0.30	0.58	0.79	0.97	1.00
75mm	0.41	0.93	1.00	1.00	1.00	1.00
100mm	0.71	1.00	1.00	1.00	1.00	1.00