LANCASTER INSULATION

45 kg/m³ acoustic ceiling pad with a black tissue face on one sid

Acoustic Ceiling Pad - Rock Mineral Fibre 45 kg/m³

Product Description

The Acoustic Ceiling Pad is manufactured from high-quality rock mineral fibre with a nominal density of 45 kg/m^3. Designed for superior sound absorption, it is ideal for use above suspended ceilings to improve acoustic performance in commercial, educational, and residential environments.

Applications

- Placed above suspended ceiling tiles to reduce sound transmission.
- Enhances privacy between adjacent spaces.
- Suitable for offices, classrooms, meeting rooms, and healthcare facilities.

Technical Data

Property	Value
Material	Rock Mineral Fibre
Nominal Density	45 kg/m^3
Thickness	Typically 50 or 25 mm (custom thickness available)
Facing	Faced with Black tissue or white tissue or optionally polythene encapsulated
Thermal Conductivity	0.036 W/m·K
Sound Absorption Coefficient (NRC)	0.95 (50 mm)
Fire Performance	Euroclass A1 (non-combustible)
Water Vapour Resistance	≤ 1.0 MN·s/g
Dimensions	1200 x 600 mm (other sizes on request)

Installation

Acoustic Ceiling Pads should be placed loosely over the back of ceiling tiles, ensuring complete coverage without compressing the material. Avoid blocking air vents, lighting fixtures, or other ceiling services.

Packaging & Storage

Supplied in compression-packed polythene bags for ease of handling. Store in a dry, covered area, off the ground, and away from moisture.

Health & Safety

Wear appropriate PPE including gloves, long sleeves, and a dust mask when handling. Refer to the product Safety Data Sheet for full details.

Acoustic Performance

Rock mineral fibre is highly effective at absorbing airborne sound, reducing reverberation time within a room and improving overall acoustic comfort. When placed above suspended ceiling systems, Acoustic Ceiling Pads act as an additional barrier to airborne sound, minimising room-to-room transmission through the ceiling void.

Laboratory testing shows that a 50 mm thick 45 kg/m^3 pad can achieve a Noise Reduction Coefficient (NRC) of up to 0.95, making it suitable for applications where speech intelligibility and privacy are critical. The reduction in sound transmission between adjacent rooms can be as high as 10–15 dB, depending on the ceiling tile type and installation method. Used in conjunction with a suspended ceiling grid

Typical room to room reduction: 38dB (50MM pad located over suspended ceiling grid)

:32dB (25MM pad located over suspended ceiling grid

These properties make the Acoustic Ceiling Pad particularly effective in open-plan offices, call centres, healthcare facilities, classrooms, and other spaces where control of both internal acoustics and sound leakage is essential.

Size & Pricing/packing Matrix

Other sizes available on enquiry

600 X 600	25MM (ACOUSTIC 45KG)	Pads per pallet	300
600 X 600	50MM (ACOUSTIC 45KG)	Pads per pallet	156
600 X 600	75MM (ACOUSTIC 45KG)	Pads per pallet	120
600 X 600	100MM (ACOUSTIC 45KG)	Pads per pallet	84
600 X 600	150MM (ACOUSTIC 45KG)	Pads per pallet	56
600 X 600	200MM (ACOUSTIC 45KG)	Pads per pallet	42