

ACOUSTIC CEILING PAD

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Ceiling Pad

Designed to improve the acoustics and thermal performance of a suspended or fixed ceiling system.

- Made of a rigid slab of 45kgm³ KNAUF ECOSE mineral wool.
- Encapsulated in a black self-extinguishing sealed recycled bag.
- Available in a variety of thicknesses from 25mm to 300mm



Technical Data



FIRE

The Guardian Ceiling Pad is made of a 45kg/m³ non-combustible, ECOSE mineral wool core that meets the fire classification of EUROCLASS A1 under BSENISO 13501-1. This means that it will not contribute to the spread of fire. The product is also made to ISO 9001 and ISO 14001 quality and environmental standards.



ACOUSTIC

The Ceiling Pad is made of 45kg/m³ Knauf ECOSE mineral wool providing excellent acoustic performance.



THERMAL

Guardian's Ceiling Pad has a thermal conductivity of 0.035 W/MK, which means it is an effective insulator. This means that it can help to reduce heat loss and improve energy efficiency in buildings.



ENVIRONMENT

Our Environmental policy aims to reduce waste and minimise our carbon footprint, with a focus on product selection. KNAUF INSULATION mineral wool slab utilises ECOSE technology - the UK's first organic binder for mineral wool.

These slabs are CFC and HCFC-free, with no other ozone depletion potential elements, exceeding BREEAM requirements with a ZERO ODP and GWP classification. Using these products can help achieve environmentally conscious design considerations.



HANDLING

The product is packaged in outer polythene bags for transportation and easy handling. To maintain its quality, it is important not to store the product in direct sunlight as prolonged exposure can cause the plastic to degrade.

For optimal storage, we recommend covering or storing the goods indoors if they will be standing for an extended period before use.

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Product Information

STANDARD SIZES AVAILABLE (mm)		
500 x 500 x 25	600 x 600 x 100	600 x 600 x 50
500 x 500 x 50	600 x 600 x 125	600 x 600 x 60
600 x 300 x 25	600 x 600 x 150	600 x 600 x 75
600 x 300 x 50	1200 x 600 x 25	1200 x 600 x 100
1200 x 300 x 25	1200 x 600 x 30	1200 x 600 x 125
1200 x 300 x 50	1200 x 600 x 40	1200 x 600 x 150
600 x 600 x 25	1200 x 600 x 50	600 x 600 x 40
600 x 600 x 30	1200 x 600 x 60	1200 x 600 x 75
We can also manufacture any other sizes required for specific contracts P.O.A		

Absorption co-efficients (S) - Solid Backing						
Thickness	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
25mm (S)	0.10	0.30	0.58	0.79	0.97	1.00
75mm (S)	0.41	0.93	1.00	1.00	1.00	1.00
100mm (S)	0.71	1.00	1.00	1.00	1.00	1.00