

THERMAL CEILING PAD



Ceiling Pad

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

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



THERMAL CEILING PAD

Designed to improve thermal performance in ceilings



Technical Data



FIRE

The Guardian Ceiling Pad is made ECOSE glass 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.



THERMAL

Guardian's Ceiling Pad has a thermal conductivity of 0.044 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.



ACOUSTIC

The product is predominantly used for application where thermal performance is required. For high performing acoustic requirements, see Guardian Acoustic Ceiling Pad



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

Disclaimer: The information in this document is for guidance only. Seek expert advice before specifying or installing any product. Ensure fire barriers are tested for the intended application. Guardian Insulation Solutions is not liable for failures due to non-standard usage, gaps caused by deflection or distortion, or improper installation.