

Acoustic Ceiling Pad MP562

Technical Data Sheet

Designed for installation within metal tray suspended ceiling systems to assist in reducing sound transmission through the ceiling or to reduce reverberation of sound.

PRODUCT

Acoustic Ceiling Pad MP562

Acoustic Ceiling Pad MP562 consists of a stone mineral wool slab wrapped in bright Class 0 foil and faced with a black tissue on its reverse side. It is produced in a range of sizes to fit all manufacturers' metal tray ceiling systems and can be supplied in a variety of density options.

Intended for installation within a perforated metal tray system to assist with reducing reverberation of sound.

TECHNICAL PROPERTIES

- Prevents fibre migration within the ceiling void and is specifically suited to sensitive areas & office environments
- Acoustic Ceiling Pad MP562 will aid in reducing reverberation of sound

Densities: 45kg/m³ - 80kg/m³ (other densities are available)

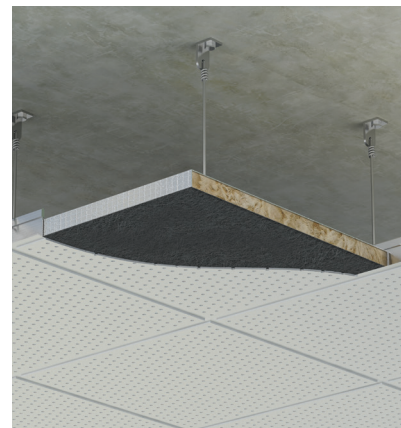
Thickness: 18mm, 25mm, 50mm & 100mm
(other thicknesses available to order)

Sizes: 300 x 300mm, 600 x 600mm,
1200 x 300mm, 1200 x 600mm
(other sizes available to order)

ACOUSTIC PERFORMANCE

MP562 ceiling pads offer Class 'A' sound absorption across a range of frequencies (125 - 4000 Hertz) and provide a Noise Reduction Coefficient from 0.90 to 1.15, with an NRC of 0 indicating perfect reflection and an NRC of 1 indicating perfect absorption.

The noise absorption coefficient of MP562 is tested to BS EN ISO



Acoustic Pad MP562 installed in metal grid ceiling system

| THERMAL CONDUCTIVITY | DENSITY |
|----------------------|---------------------|
| 0.035 W/mK | 45kg/m ³ |
| 0.034 W/mK | 60kg/m ³ |
| 0.034 W/mK | 80kg/m ³ |

Absorption Coefficient Table

| mm-kg/m ³ | Metal Tile (31.40% Perforated Area) | | | Frequency Hz | | | | | | NRC | α _w | Absorption Coefficient |
|----------------------|-------------------------------------|----------------------|------|--------------|------|------|------|------|------|------|----------------|------------------------|
| | Infill Dimension | Mineral Wool | Wrap | 125 | 250 | 500 | 1000 | 2000 | 4000 | | | |
| 16-45 | 600x600x16mm | 45kg/m ³ | Foil | 0.30 | 0.85 | 0.95 | 0.85 | 1.00 | 0.95 | 0.90 | 0.95 | Class A |
| 16-60 | | 60kg/m ³ | | 0.35 | 0.90 | 0.95 | 0.85 | 1.00 | 1.00 | 0.95 | 0.95 | Class A |
| 16-100 | | 100kg/m ³ | | 0.40 | 0.95 | 1.00 | 0.90 | 1.00 | 1.00 | 0.95 | 1.00 | Class A |
| 50-45 | 600x600x50mm | 45kg/m ³ | Foil | 0.60 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.05 | 1.00 | Class A |
| 50-60 | | 60kg/m ³ | | 0.65 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.05 | 1.00 | Class A |
| 50-100 | | 100kg/m ³ | | 0.65 | 0.90 | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | Class A |
| 100-45 | 600x600x100mm | 45kg/m ³ | Foil | 0.75 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.05 | 1.00 | Class A |
| 100-60 | | 60kg/m ³ | | 0.75 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.05 | 1.00 | Class A |
| 100-100 | | 100kg/m ³ | | 0.70 | 0.90 | 0.95 | 1.00 | 1.00 | 0.95 | 0.95 | 1.00 | Class A |

