



MINERAL FIBRE SLABS

QUIETSLAB TYPE MF

INS MF mineral fibre slabs are manufactured from long stranded mineral fibres that are thermo-set resin into slabs

ADVANTAGES

- Excellent thermal and acoustic insulation
- Fire and temperature resistant
- Chemically inert
- Cost effective and easy to install
- Vermin and rot proof
- CFC and HFC free

APPLICATIONS

INS MF mineral fibre slabs are ideal for a wide range of building and industrial applications. A highly versatile material with an extensive listing of applications such as acoustic ceilings, partition panels, walls, floors, roofs, ductwork and industrial enclosures. Also, thermal insulation for boilers, heat exchangers, plant, tanks and pipes. INS MF mineral bonded slabs can be flat or curved to suit requirements.

PHYSICAL INFORMATION

Standard slab size	1200 x 600mm
Standard slab thicknesses	25, 30, 40, 50, 60, 75 & 100mm
Standard slab densities	33, 45, 60, 80, 100, 128, 140, 160 and 200 kg/m ³

Notes:

Minimum density for 25mm thick is 45kg/m³
 Maximum thickness for 160kg/m³ is 50mm
 Maximum thickness for 200kg/m³ is 60mm
 Non standard slab sizes and thickness are available upon request

LAMINATES

INS MF mineral fibre slabs are also available laminated with mass barrier materials for acoustic insulation applications. Laminates include:

Polymeric mass barrier – 5, 7.5, and 10 kg/m²
 Lead sheting – 5, 10 and 15kg/m²

FACING AND COVERINGS

INS MF mineral fibre slabs are available in a wide range of coverings and facings; a brief selection of coverings and facings available include:

Class 'O' foil facing
 Glass tissue scrim 60 gm/m²(black and white)
 Glass cloth 200 gm/m²(black and white)
 Melinex polyester film
 Ceramic paper

TECHNICAL INFORMATION

INS MF mineral bonded slabs conform to the following specifications:

BS 476 Part 4 – Non combustible (plain)
 BS 476 Parts 6 & 7 – Class 'O' (faced)

Resistance to compression (BS EN 826:1996)

	Density kg/m ³					
	33	60	80	100	140	200
Stress to give 10% compression (kN/m ²)	2.0	6.7	12.9	16.4	28.2	68.2
Stress to reach elastic limit (kN/m ²)	2.3	6.1	9.2	11.3	26.1	49.9
Displacement at 5kN/m ² stress (%)	38.6	7.8	3.4	2.7	1.7	0.7

Minimum Bending Radius (m)

	Slab thickness (mm)					
	30	40	50	60	75	100
Density 33 kg/m ³	0.35	0.40	0.50	0.70	0.90	1.50
Density 60 kg/m ³	0.42	0.50	0.70	1.00	1.35	1.90
Density 100 kg/m ³	0.55	0.70	1.00	1.50	2.25	2.50
Density 140 kg/m ³	1.50	1.90	2.60	3.00	3.30	3.50

