



Insulated Panels **Mineral Fibre**

Function

Fire rated Mineral Fibre Panels are suitable in applications such as temperature control, thermal insulation and personnel protection for power plants, metallurgical, oil refineries and chemical industries, including plant and equipment such as exhaust flues, hot gas ducts, boilers, furnaces, ovens, autoclaves and kilns. The Mineral Fibre Panels are the ideal solution for wall and ceiling applications in hygienic chill and ambient environments where internal temperatures are above 0°C, making them the ideal choice when fire resistance and hygiene are essential.

Nucleus

Mineral rock fibre insulation actually comprises of mineral rock fibres bonded together with thermo-setting resins to form the insulated materials. The panels ensure a high insulation value, excellent fire resistance and acoustic performance. The core is water repellent, free of (H) CFC'S and fully recyclable. Completely vermin and rot proof and does not encourage the growth of fungi or bacteria.

Fire Performance

Mineral fibre is a non-combustible core providing Fire Resistance of up to 4hrs.

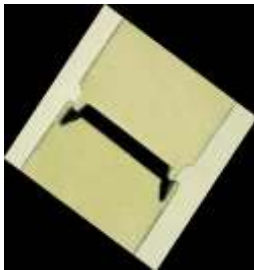
- Loss Prevention Certification Board (LPCB) Approved.
- LPS Fire Performance Characteristics 1208 Issue 2 FR30 – FR120
- BS476 Part 22E 30/60/120/240 minutes.

Finishes

Panels are finished with steel facings with a wide range of coatings available including Foodsafe laminate / polyester, PVF2 and HPS200

Jointing

The panels have high performance male and female interlocking metal facings to provide a secure and consistent joint detail. The interlocking joint, sealed with silicone, encapsulates the core ensuring total parity and a continuous antibacterial barrier.



Technical Specifications

Panels thickness	60mm – 180mm
Max Panel Length	12mm
Max Wall Height (single span)	11.5mm
Max Ceiling Span (unsupported)	7.6m
Panel weight	15.5 – 38kg /m2
Fire Rating (LPS 1208 / BS476 Part 22E)	30 – 240 minutes
U Value (W/ m2K)	0.21 – 0.72
Max Acoustic Property	50 SR I (db)