MONOLIT 500 P

General Description

MONOLIT 500 P is a non-combustible matrix engineered mineral board reinforced with selected fibres and fillers. It is formulated without inorganic fibres and does not contain formaldehyde.

MONOLIT 500 P is off-white in colour and has a smooth finish on one face with a sanded reverse face. MONOLIT 500 P can be left undecorated or easily finished with paints, wallpapers or tiles.

MONOLIT 500 P is resistant to the effects of moisture and will not physically deteriorate when used in damp or humid conditions. Performance characteristics are not degraded by age or moisture.

MONOLIT 500 P is also produced as bevelled edge panels for suspended ceilings using a concealed grid system.

The board is not classified as a dangerous substance so no special provisions are required regarding the carriage and the disposal of the product to landfill. They can be placed in an on-site skip with other general building waste which should then be disposed by a registered contractor.

Applications

- Structural steel
- Ceilings, floors and roofs
- Partitions and external walls
- Ventilation and smoke extraction ducts
- Electrical and mechanical services enclosures
- Fire resistant glazing
- Tunnel fire protection and upgrading of concrete structures
- Smoke barriers, access panels and hatches

Typical Mechanical Properties

Modulus of elasticity, E (BS EN 310: 1993)	Longitudinal N/mm² Transverse N/mm²	4995 4389
Flexural strength, $F_{rupture}$ (BS EN 310: 1993)	Longitudinal N/mm² Transverse N/mm²	10 6
Tensile strength, $T_{rupture}$ (BS5669: Part 1: 1989)	Longitudinal N/mm² Transverse N/mm²	7.16 4.94
Compressive strength (average, perpendicular on board face) (BS5669: Part 1: 1989)	N/mm²	11.36