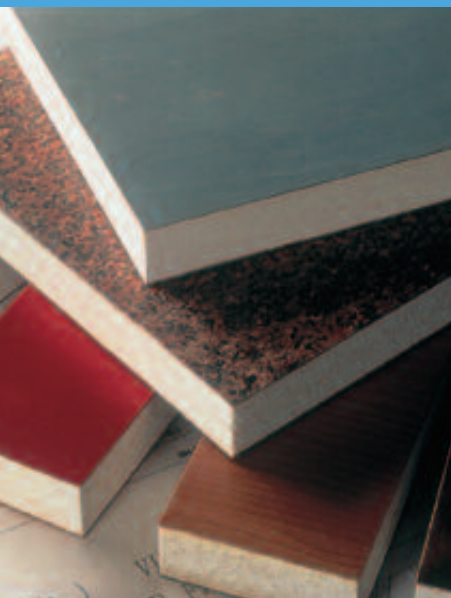


Promat



Applications include:

- Single skin partitions
- Cavity barriers and fire stops
- Ducts and services protection
- Duct inspection panels
- Fire door construction
- Non-combustible battening
- Core board for decorative veneers



Promat MONOLUX®

A Rigid, Lightweight, Non-Combustible Board for Fire Resisting Constructions

INTRODUCTION

Promat MONOLUX® is a rigid, lightweight non-combustible building board for use in fire resisting constructions and linings. It is a high performance board which can be used in constructions providing up to 240 minutes fire resistance.

Promat MONOLUX® is a suitable substrate for hard or soft veneers and can be edge screwed. Application of a veneer allows fire resistance to be combined with high class decorative finishes.

DESCRIPTION

Promat MONOLUX® is a calcium silicate board reinforced with selected fibres and fillers. It is formulated without any inorganic fibres.

Promat MONOLUX® is off-white in colour with a smooth sanded finish on both faces. It is easy to decorate with paints, wallpapers or tiles and is a suitable substrate for hard or soft plastics, metal foil or real timber veneers.

Promat MONOLUX® has high dimensional stability and will not physically deteriorate in damp or humid conditions. The fire performance characteristics are not degraded by age or moisture.

Promat MONOLUX® is rigid, robust and resistant to impact damage. When high levels of impact resistance are required, the board can be protected with a sheet metal veneer. It is supplied as rectangular boards with square cut edges.

Thicknesses (mm)	12.7, 15.9, 19.1, 22.2, 25.4, 31.8
Length x width (mm)	2440 x 1220
Nominal Weight	0.68kg/mm/m ² (at ambient moisture content 6%)
Nominal Dry Density	640kg/m ³

TYPICAL APPLICATIONS

Promat MONOLUX® is suitable for use in a wide range of fire resisting constructions providing up to 240 minutes fire resistance depending on the application and construction used.

Promat MONOLUX® veneered with a high pressure laminate decorative finish provides additional impact resistance where required.

For information on veneering or pre-veneered panels contact Promat UK Limited Technical Services Department on 01344 381 400.

PERFORMANCE

Fire

Non-combustible to Euroclass A1 (EN 13501-1), BS 476: Part 4: 1970; Class 1 Surface Spread of Flame to BS 476: Part 7: 1987; Class 0 as defined in the Building Regulations. Will give off minimal toxic smoke of gases in the event of fire.



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Effect of Moisture

Will absorb water causing some loss of strength which is fully recovered on drying. Moisture or condensation will not dissolve out soluble materials and cause unsightly marks or efflorescence. Resistant to the effects of moisture and does not rely on surface treatments to achieve moisture resistance.

Has high dimensional stability and will not sag or bow in high humidities. It can be fixed at any time during the building programme even before external walls have been made weather tight. Ideal for constructing fire resisting elements during the construction phase when the building is frequently at its most vulnerable to fire.

Thermal

Provides a degree of thermal insulation (thermal conductivity 0.18W/mK) and is an ideal support for thermal insulation materials. It can be used in high temperature industrial applications at continuous temperatures up to 250°C (for further information contact Promat UK Limited Technical Services Department).

Biological

Resistant to attack by insects or vermin and will not nourish mould growth. Should, however, be sealed when used in areas where boards are liable to absorb matter that will support mould growth.

Chemical

Resistant to brine and chlorine, low concentrations of most acids, alkalis, bleaching agents and solvents but boards should be protected where high chemical concentrations are likely to occur. Surface pH value 7–10.

Compatibility

Compatible with all common building materials; non-caustic and will not promote corrosion; will not affect bituminous compounds; when in contact with unanodised aluminium the latter should be protected. When decorating, alkali resistant primers are not required.

QUALITY MANUFACTURE

Promat MONOLUX® is marketed by Promat UK Limited. The manufacturing and production systems of the company operate under a rigorous quality management system, independently certified as complying with BS EN ISO 9001.

Promat



Promat UK Limited

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www.promat.co.uk

SAFETY SHEET

A safety data sheet is available from Promat Technical Services Department and, as with any other materials, should be read before working with the board. The board is not classified as a dangerous substance and so no special provisions are required regarding the carriage and disposal of the product to landfill. They can be placed in an on-site skip with other general building waste which should be disposed of by a registered contractor.

TECHNICAL INFORMATION

For full details of applications, properties, cutting, fixing and decoration contact Promat UK Technical Services Department. Telephone: 01344 381 400, Fax: 01344 381 401.