

Description

Siniat MultiPurpose Panel is a BBA certified, versatile A1 fire rated calcium silicate building board, suitable for use in a wide range of internal and semi-exposed applications. It is resistant to the effects of moisture and will not physically deteriorate when used in damp or humid conditions. It can withstand constant temperatures up to 80°C and frequent temperature changes.

Applications

- As a tile backing board
- As a soffit board
- As a fire protective board
- As a general purpose building board
- As a boiler backing board

Appearance

MultiPurpose Panel is an off-white board without facings, having one smooth surface and one embossed/sanded surface.

Standard Format

1220mm x 2440mm x 6mm Square Edge
1220mm x 2440mm x 9mm Square Edge
1220mm x 2440mm x 12mm Square Edge
800mm x 1220mm x 6mm Square Edge

Composition

Calcium silicate flat sheet composed of a calcium silicate matrix, cement, and mineral fillers.

Compliance Authority

Siniat MultiPurpose Panel has a European Technical Assessment ETA 017/0171 to ETAG 018-4 and is CE marked accordingly for use in internal use (Z₁), internal high humidity use (Z₂) and external semi-exposed use (Y).

Assessed and certified by BBA, Certificate No. 16/5371

Physical Properties

Mass:

Typical: 1050 kg/m³ ±12.5%

Dry density: 975 kg/m³ ±12.5%

Strength to BS EN 12467:

Modulus of rupture (MOR) ≥ 4.5 MPa (95% confidence level)

Fire Resistance:

See BBA certificate

Reaction to fire:

Non-combustible

Euroclass A1 to BS EN 13501-1

Class '0' to UK Building Regulations

Maximum operating temperature:

80°C

Thermal Conductivity, λ_R:

0.22 W/mK

Thermal Expansion:

9 x 10⁻⁶ m/mK (0 to 40°C)

Water vapour resistivity:

80 MNs/gm

Water vapour resistance factor:

16μ

Moisture movement, ambient (30%RH, 20°C) to saturated:

0.12%

Water impermeability (EN 12467):

Pass

Deterioration by water (EN 12467):

Pass

Soak/dry (EN 12467):

Pass

Freeze/thaw (EN 12467):

Pass

Heat/rain (EN 12467)

Pass

CONT'D

Handling and Fixing

MuliPurpose Panel may be cut using a fine-toothed saw, e.g. panel saw, padsaw, keyhole saw or coping saw, working with the outward face up and the board supported as the cut progresses. Rough cuts can be made by scoring the board and snapping over a straight-edge. Power sawing can be carried out using a tungsten carbide or diamond-tipped blade.

The products should be drilled using a high- or low-speed twist drill, and scrap material should be placed under the drilling location to ensure a clean hole.

See 'How To' guide for further guidance.

Health and Safety

See Health and Safety data sheet for further information.

When cutting, sawing or drilling, an efficient dust extraction and/or ventilation system should be used to collect the dust particles. If dust extraction is not efficient, dust masks of type FFP2 or better according EN149:2001 shall be worn by the operator.

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