

Klasse G-board Gypsum External Sheathing Board (Outwear)

Product Description:

Klasse G-board is a high-performance external gypsum-based sheathing board made with special glass fibre face and is durable against fire, moisture, mould, and impact. Lightweight and easy to carry, it facilitates fast, practical, and economical construction solutions.

Where to use:

Used as an external sheathing board to provide weather protection to a lightweight steel frame construction prior to the installation of external wall insulation and façade system. Also suitable for modular and timber-framed buildings.

Product Information:

Composition - Calcium sulphate dihydrate encased within a glass fibre mat. Additionally nominal amounts of additives such as starch, foaming agent, dispersants, wax and glass fibre.

Appearance - Klasse G-board is coloured green on the front face and green on the back face.

| | <i>Tolerances</i> | |
|-----------------------|-------------------|------------------------|
| Length | 0 to -5mm | 2400mm |
| Width | 0 to -4mm | 1200mm |
| Thickness | +/- 0.5mm | 12.5mm |
| Average Weight | | ≤ 12 kg/m ² |
| Edge Type | | Square |

Performance Information:

Standards

BS EN 15283-1:2008+A1:2009, Type GM-H1
BBA Certificate 22/6085

| | |
|--|---------------------------------|
| Flexural Breaking Load - Longitudinal direction to BS EN 15283-1:2008 | 761N |
| Flexural Breaking Load - Transverse direction to BS EN 15283-1:2008 | 601N |
| Reaction to fire to BS EN 13501-1:2018 | Non-Combustible Euroclass A1 |
| Thermal Conductivity to BS EN 12524 | 0.25 W/mK |
| Water Vapour resistance factor | 10 μ |
| Total Water Absorption | ≤ 5 % |
| Mould Resistance to MOAT33:1986 | Mould Resistant |

Exposure and Durability:

Klasse G-board should be sealed with Klasse FireFend™ silicone sealant within 3 months of installation, when installed in accordance with our installation guide boards can be left exposed for up to 12 months.

Provided that Klasse G-board is used in accordance with our standard installation guide, and is fixed to satisfactory, stable and durable backgrounds and protected by suitable cladding by fully trained operatives, the boards will have a life equal to that of the building in which they are installed, typically in excess of 30 years.

Handling and Storage:

When manually handling Klasse G-board, consideration of the correct manual handling technique must be made to limit risk, according to the Manual Handling Operations Regulations 1992.

Klasse G-board is supplied on pallets. Packs should be removed using a forklift truck or hydraulic trolley and stored in dry, flat conditions. Klasse G-board is weather-resistant when installed in the vertical plane.

Klasse G-board is not a suitable product to be used as a platform or deck, it will not support body weight and therefore it is important that installers use an independent support mechanism.

52 boards per pallet, weighing approximately 1817kg.

Fixing and Finishing:

Klasse G-board can be cut with a knife and no power tools are required with minimal dust generation.

Boards are installed vertically in a staggered brick pattern with Carbon Steel self-drilling 4.2 x 32mm fasteners located at least 13mm but no more than 20mm from the board edges. Fix to light gauge steel frame studs at maximum 600mm centres with fixings at a maximum 300mm centres.

To achieve weather tightness, Klasse G-board should be sealed with FireFend™ silicone sealant or airtight joint tape. Silicone sealant provides a robust weather seal limiting the opportunity for water and air leakages, but more importantly when the through wall is required to be fire resistant. Airtight tape may be used where no fire resistance or acoustic insulation is required.

Klasse G-board is considered suitable for use with adhesive fixed external insulation systems. All mechanically fixed rainscreen and insulation systems should be fixed back to the SFS frame.

Health & Safety:

See the separate Material Safety Data Sheet [available on the website](#).

Waste and Recycling:

The gypsum core in Klasse G-board is fully recyclable.

Gypsum powder from the recycled board fully meets the quality criteria of BSI PAS109 in relation to composition, paper fibre content and purity. This provides for diversion from landfill into recycling markets.

Klasse G-board comes with minimal packaging and the pallets are made of recyclable material.

The information contained in this Data Sheet is believed to be correct at the date of publication and is designed only as guidance for the safe use, storage and handling of the product. The information included is given in good faith and apply to uses described. Klasse Group does not accept responsibility for issues arising from using products in applications different from those described or failure to correctly follow the information or instructions as described. This data sheet and the information it contains is not intended to supersede any terms or conditions of sale and does not constitute a specification. Recommendations for use should be verified with a suitable expert or professional for suitability and compliance with actual requirements, specifications and any applicable laws and regulations.