Product Data Sheet

Glasroc® F FireCase 20 mm

Glasroc F FireCase 20 mm is a glass reinforced gypsum board manufactured to BS EN 15283-1:2008+A1:2009. It is classified A1 for Reaction to Fire in accordance with BS EN 13501-1:2018.



Where to use

Use as part of the FireCase frameless structural steel encasement system.

Subject to the published installation guidance, the board may be installed in semi-exposed conditions prior to completion of the building envelope.

Certifications

Environmental Product Declaration (EPD) available
Click here.

Product information

Composition
This product comprises gypsum incorporating a glass fibre tissue positioned immediately below the board surfaces.

DIMENSIONS AND WEIGHTS	
PRODUCT SIZES (mm)	1200 X 2000
Nominal thickness (mm)	20
Minimum weight (kg/m²)	15.8
Edge options	Square edge
Width: maximum tolerance (mm)	+0
Width: minimum tolerance (mm)	-3
Length: maximum tolerance (mm)	+0
Length: minimum tolerance (mm)	-3
Squareness: 1200 mm width boards (maximum difference in diagonal measurements, mm)	5

NB: Dimensional tolerances. Quality controls are set to meet customer requirements between these maximum and minimum tolerances.

Colour
Face colour: White.
Reverse colour: White.

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Performance

Here we only provide performance information related to the product. Please see the White Book for system-dependent performance.

Standards

EN 15283-1:2008+A1:2009, Type GM-F & GM-H1.

BBA: 93/2935.

Declarations of Performance (DoP) available Click here.

Reaction to fire	A1
Thermal conductivity (W/mK)	0.30
Water vapour permeability (μ)	10
Water resistance (maximum total water absorption when tested to EN15283-1, %)	5
Moisture resistance	GM-H1
Maximum continuous temperature exposure (°C)	49

Installation

Effect of condensation

The thermal insulation and ventilation requirements of national Building Regulations aim to reduce the risk of condensation and mould growth in new buildings. Designers should carefully assess and manage condensation risk, particularly in refurbishment projects.

Cutting

Either cut the board with a plasterboard saw, or score the front face with a sharp knife, snap it over a straightedge. Cut openings for electrical sockets and other service penetrations using a utility saw.

Jointing

After installation, finish the board as soon as practicable to minimise the risk of damage. You can finish the board using air-drying jointing products that comply with EN13963, including the Gyproc range.

Screw fixing

For FireCase frameless encasement systems, ensure that board-to-board edge fixings in the FireCase frameless encasement system are secured into the centre of the abutting Glasroc F FireCase board. For other joints, install fixings at least 13 mm from the cut edges and ends. Stagger horizontal and vertical joints between layers by at least 600 mm. Fix the boards with the decorative side facing outwards to receive finishes.

Full-surface finishing

After fixing the board, start finishing it as soon as practicable to limit the risk of damage. You can finish the board using plaster that complies with EN13279-1, including the Thistle range.

Painting

Allow the finishing system to dry fully before decorating. Decoration should then be completed as soon as practicable.

Wallpapering

Allow the finishing system to dry fully before decorating. Decoration should then be completed as soon as practicable.

Snagging and minor repairs

For minor damage and dents, check that the board core isn't shattered. If it's intact, fill the damaged area with Gyproc EasiFill 60, allow it to set, then apply a second coat if you need to. When it's dry, sand it to a finish before redecorating the area.

For a damaged core, broken edges or extensive damage, repair and replacement procedures differ depending on the number of board layers and fire resistance of the system; please contact our Technical Support Team for specific advice.

Sitework

Storage
To ensure declared performance of plasterboards are not compromised they should be stored inside and kept dry. Make sure floor or ground surfaces are flat and strong enough to support them.

If plasterboards are temporarily stored outside, they should be kept clear of the ground and securely covered with an anchored polythene sheet or tarpaulin to protect from dampness and rain.

Handling
British Gypsum fully accepts its responsibilities as a supplier of building materials and systems as required by Section 6 of the Health and Safety at Work etc. Act 1974.

To reduce manual handling risk, employers and workers should follow HSE's Manual Handling Operations Regulations 1992 (MHOR) and the HSE's guidance on manual handling at work (INDG143). Employers should carry out a risk assessment and implement control measures to avoid or minimise the need for manual handling. Workers should follow safe lifting and moving techniques and report any hazards. The 'Manual Handling Guide' published by the Gypsum Products Development Association (GDPA) and its member companies can provide additional plasterboard specific guidance and is available on the GDPA website.

Plasterboard handling should be assessed for risk before lifting or carrying. All British Gypsum plasterboards have safety information printed on the board. Where mechanical aids are available, they should be considered in the overall risk assessment.

Safety Data Sheet
Safety Data Sheet (SDS) available. Click here.

Packaging overview
Supplied on a reusable wooden pallet.

Environmental

Recyclability
You can recycle this product as long as it has minimal contamination from non-gypsum materials.

Disposal
Segregate boards from non-gypsum waste for recycling where possible. Dispose of them according to local authority requirements.

BES 6001 classification
Very Good.

SAINT-GOBAIN

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