

# Glasroc F MULTIBOARD

## Product Data Sheet

### Introduction

Suitable for constructing all forms of partition and ceilings, including curved applications, giving high levels of fire and impact protection. Also offers increased levels of moisture performance. Can be used in semi-exposed situations such as eaves, canopies and carport under-linings.

### Product description

Glasroc F MULTIBOARD consists of gypsum incorporating a tissue of glass fibre immediately below the surface of the board. The core is reinforced with glass fibre rovings. Available in square and tapered edge (bespoke only).

This plasterboard is one of the products within our plasterboard range that is certified to *BES 6001* achieving a rating of 'Excellent'.



### Board performance

#### Fire protection

The surfaces of Glasroc F MULTIBOARD are designated Class 0 and non-combustible (for the purposes of national Building Regulations). Please refer to the table below.

#### Fire resistance

Please refer to the **White Book** product or systems section for information on the fire resistance of building elements lined with Glasroc F MULTIBOARD at [british-gypsum.com/literature/white-book](http://british-gypsum.com/literature/white-book).

#### Reaction to fire test performance

Standard	Performance
BS 476: Part 4: 1970 (1984) Non-combustibility test for materials.	Non-combustible.
BS 476: Part 6: 1989 Method of test for fire propagation for products.	Index of performance (I) not exceeding 12 and a sub-index (i1) not exceeding 6.
BS 476: Part 7: 1997 Surface spread of flame tests for materials.	Class 1.
EN 15283-1: 2008.	A1.

#### Thermal conductivity

Glasroc F MULTIBOARD - 0.30W/mK

#### Limitations of use

Glasroc F MULTIBOARD is unsuitable for use in areas subject to continuously damp or humid conditions and must not be used to isolate dampness. Glasroc F boards are not suitable for use in temperatures above 49°C, but can be subjected to freezing conditions without risk of damage.

#### 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. However, designers should take care to eliminate all possibility of problems caused by condensation, particularly in refurbishment projects. For further information please refer to **White Book**, available to download from the British Gypsum website at [BritishGypsum.com](http://BritishGypsum.com)

#### Board colour

- White - Face
- White - Reverse

#### Board printing

Face - None.

Edge - None.

Reverse - Product name, board thickness and production code.

#### Board range

Width mm	Length mm	Edge type
<b>6mm Board</b> 1200	2400 3000	Kg/m <sup>2</sup> = <b>6.0</b> R (m <sup>2</sup> K/W) = <b>0.02</b> S/E S/E
<b>10mm Board</b> 1200	2400 3000	Kg/m <sup>2</sup> = <b>8.5</b> R (m <sup>2</sup> K/W) = <b>0.03</b> S/E S/E
<b>12.5mm Board</b> 1200	2400 3000	Kg/m <sup>2</sup> = <b>10.6</b> R (m <sup>2</sup> K/W) = <b>0.04</b> S/E S/E

**(NB)** S/E = Square Edge

Bespoke sizes are also available.

#### Board types

S/E or T/E (**bespoke**) - To be finished with Gyproc Joint Cement for taped and filled joints or application of Thistle BoardFinish, Thistle MultiFinish or Thistle DuraFinish plasters.

# Application and installation

## General

It is important to observe appropriate health and safety legislation when working on site i.e. personal protective clothing and equipment, etc. The following notes are intended as general guidance only. In practice, consideration must be given to design criteria requiring specific project solutions.

Glasroc F MULTIBOARD should be stored on a firm, flat and level surface. If the boards 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 inclement weather.

## Handling

Manual off-loading of this product should be carried out with care to avoid unnecessary strain. For further information please refer to the Manual Handling section of the **Site Book** or Manual Handling Guide, available to download from the British Gypsum website at [british-gypsum.com](http://british-gypsum.com)

## Cutting

This product may be cut using a plasterboard saw or by scoring with a sharp knife and snapping the board over a straight edge. Holes for switch or socket boxes should be cut out before the boards are fixed using a utility saw or sharp knife.

### Cutting (continued)

When cutting boards, power and hand tools should be used with care and in accordance with the manufacturers' recommendations. Power tools should only be used by people who have been instructed and trained to use them safely. Appropriate personal protective equipment should be used. Consider monitoring of exposure levels during this activity.

## Fixing

For information on fixing this product please refer to the appropriate **White Book** and **Site Book** sections.

## Plastering

The smooth face of Glasroc F MULTIBOARD can be plastered with either Thistle BoardFinish, Thistle MultiFinish or Thistle DuraFinish. There should be a minimum of delay between completion of the lining and the commencement of plastering.

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## Product standards

EN standard *EN 15283-1 Gypsum boards with fibrous reinforcement - Definitions, requirements and test methods - Part 1: Gypsum boards with mat reinforcement.*

**Type GM:** Gypsum boards with mat reinforcement.

**Type H1 (6mm only):** Gypsum board with mat reinforcement with reduced water absorption rate.

**Type F:** Gypsum boards with mat reinforcement with improved core cohesion at high temperatures.

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## Jointing

Gyproc jointing materials produce durable joint reinforcement and a smooth, continuous, crack-resistant surface ready for priming and final decoration. Use Gyproc Joint Cement for jointing Glasroc F MULTIBOARD. For further information please refer to **White Book** section 13 - Jointing.

Gyproc Joint Cement is trowel applied to the joint and Gyproc Joint Tape bedded in. Alternatively Thistle ProTape FT50 is applied over the joint and a coat of Gyproc Joint Cement is trowel applied. The joint treatment is allowed to dry and lightly sanded to remove any high spots. For internal angles the use of Gyproc Joint Tape is preferable to Thistle ProTape FT50. Its crease makes it easier to achieve a neat, straight joint with higher cracking resistance.

For external angles, Gyproc Corner Tape is used, bedded in Gyproc Joint Cement. A second coat of Gyproc Joint Cement is trowel applied and feathered out to about 200mm width on each side on the joint. The joint treatment is allowed to dry and lightly sanded. Gyproc Metal Drywall Angle Bead can be used but Gyproc Joint Filler must be used on the first two coats.

A third coat of Gyproc Joint Cement may be necessary, applied as the second coat and slightly wider e.g. where boards are fixed with any steps, gaps or minor damage. When the final application has dried and been sanded smooth, the surface is ready for decoration.

**(NB)** Jointing and finishing of the Glasroc F MULTIBOARD is not a requirement to meeting the specified fire protection period.

## Decoration

After the joint treatment has dried, decoration, including any decorator's preparatory work, should follow with the minimum delay.

# Maintenance

## Repair

**Minor damage** - Lightly sand the surface to remove burrs and fill flush with two applications of Gyproc Joint Cement.

**Deep indents resulting from impact** - Check the board core to ensure that it is not shattered. If intact, apply a coat of Gyproc Joint Filler, followed by the procedure for repairing minor damage as outlined above, once set / dry.

**Extensive damage** - When the damage is more extensive, it may be necessary to replace that area of plasterboard. It is important that the replacement board is of the same type as specified and installed. Cut out the affected area back to the nearest framing member. Replace the board, accurately cutting and screw fixing the same type and thickness of plasterboard. Fill edge joints, then tape and finish in the recommended way. Redecorate as required.

**(NB)** It is essential that repairs are made 'like for like'. If the finish is skim plaster, jointing materials must not be used in the repair.

Date of previous version: May 2014.

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Telephone: 0844 800 1991  
Fax: 0844 561 8816  
Email: [bgtechnical.enquiries@bpb.com](mailto:bgtechnical.enquiries@bpb.com)  
Training enquiries: 0844 561 8810

