

# Product Data Sheet

## Rigidur H 12.5mm

Rigidur H 12.5mm is a gypsum fibre plasterboard with additives for rigidity, durability and mechanical strength.

### Where to use

Use it as part of GypWall SingleFrame Enhanced, a system with increased rigidity and durability, high levels of sound insulation and excellent fixing strength. Use it in off-site manufacture and high traffic areas where robust characteristics and/or fixing strength are required.



### Product information

#### Composition

This product is made up of gypsum fibreboard which combines gypsum, cellulose fibres from recycled paper and water to form a dense sheet material.

#### Colour

Face colour: Beige.  
Reverse colour: Beige.

### DIMENSIONS AND WEIGHTS

PRODUCT SIZES (mm)	1200 X 2400	1200 X 2800	1200 X 3000
Nominal thickness (mm)	12.5	12.5	12.5
Minimum weight (kg/m <sup>2</sup> )	12.3	12.3	12.3
Edge options	Tapered edge	Tapered edge	Tapered edge
Number of tapered edges	2	2	2
Width: maximum tolerance (mm)	+0	+0	+0
Width: minimum tolerance (mm)	-2	-2	-2
Length: maximum tolerance (mm)	+0	+0	+0
Length: minimum tolerance (mm)	-2	-2	-2
Taper: maximum width (mm)	45	45	45
Taper: minimum width (mm)	25	25	25
Taper: maximum depth (mm)	2	2	2
Taper: minimum depth (mm)	0.5	0.5	0.5
Squareness: 1200mm width boards (maximum difference in diagonal measurements, mm)	4	4	4

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

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### Performance

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

### Standards

EN 15283-2:2008+A1:2009.

Declarations of Performance (DoP) available [Click here](#).

Reaction to fire	A2-s1, d0
Water vapour permeability ( $\mu$ )	19
Moisture resistance	W2
Thermal conductivity (W/mK)	0.2
Maximum continuous temperature exposure ( $^{\circ}$ 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. However, designers should take care to eliminate all possibility of problems caused by condensation, particularly in refurbishment projects.

#### Cutting

Best practice is to use a hand held circular saw with suitable dust extraction. Use a fine saw blade. Always use a suitable dust collection system. Always follow the manufacturers' guidance when using electrical tools. For complex details (i.e. doors and socket details), it is recommended that a jigsaw is used. Curves can be achieved using a fret saw.

#### Fixing

Rigidur H is fixed using 40mm Rigidur screws, at 300mm centres around the perimeter of the board and at the intermediate stud positions, at least 13mm from the edge of the board. Always fix from the bottom of the partition upwards.

Single layer Rigidur H should be fixed to Gypframe 70 S 60 'C' Studs. Double layers should be fixed to Gypframe 70 AS 50 AcouStuds or Gypframe 146 AS 50 AcouStuds.

Due to the length of Rigidur screws, care must be taken when fixing in close proximity to services. Rigidur screws have a smaller head than British Gypsum Drywall screws, allowing them to be counter-sunk into the tough Rigidur surface. Removing the depth adapter on the screw gun may reduce burring around the edge of the screw.

#### Jointing

When jointing Rigidur H by hand, use Gyproc EasiFill. The joints can be finished using the 10" and 12" Gyproc Speed Tape Finishers (quick release versions) if desired.

When jointing using the Gyproc Speed Tape Automatic Taper, use Gyproc ProMix Lite for the best results (Gyproc QuickSand is suitable, but care needs to be taken to mix to the correct consistency). Due to the nature of the tapered edges, use a 50mm wide taping knife to flatten the Joint Tape back. Take care to leave sufficient jointing material behind the tape to ensure good adhesion. The joints can then be finished using the 10" and 12" Gyproc Speed Tape Finishers.

#### Painting

Start decorating as soon as possible after the finishing system is dry. Mineral-based paints (e.g. lime, silicone) are not suitable for use with Rigidur H.

#### Wallpapering

Start decorating as soon as possible after the finishing system is dry.

#### Snagging and minor repairs

For minor damage and dents outside tiled areas, 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.

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### Sitework

#### Storage

Boards 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

Please refer to the HSE Manual Handling Operations Regulation for best practice guidance when handling or installing this product.

#### Safety Data Sheet

Safety Data Sheet (SDS) available. [Click here.](#)

#### Packaging overview

Supplied on a 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.



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