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GTEC™ Aqua Board

Technical Data Sheet

Description

GTEC™ Aqua Board is for use in areas of high technical performance where there is water present. The board is stronger, harder and heavier than standard plasterboard and has superior fire resistance, sound insulation and impact resistance.

Appearance

The board is coloured orange on both faces and has tapers down the long edges.

Composition

Aerated Calcium sulphate di-hydrate with liners made from non woven tissue with fillers and fibres enclosed inside the gypsum core. Core and faces are bonded with starch. Edge glue is PVA. The water resistant additive is silicon oil. The core contains a biocide to prevent mould growth.

Compliance Authority

The board complies with pr EN 15283 PART 1.

Physical Properties

Physical Properties	
Strength pr EN 15283 - 1	Breaking load 12.5mm Longitudinal > 500 N Breaking load 12.5mm Transverse > 250N
Fire performance	– Integrity to BS EN 1363 12.5mm 45 mins – Surface spread of Flame – Class 1 to BS 476/7 – Fire propagation Index – I < 6.0 i < 3 BS476/6 Class 0 Limited combustibility. Euroclass A2 in accordance with EN 13501-2
Moisture content	< 1%
Sound Insulation	– Rw single sheet 12.5mm 24dB
Mass	– 12.5mm is 10.8 Kg/m ²
<i>Note: This board is 35% heavier compared with standard plasterboard</i>	
Thermal conductivity	– 0.25 W/mK
Thermal resistance	R for 12.5mm = 0.050m ² K/W
Moisture	– GTEC Aqua Boards comply with pr EN 15283 PART 1 3.2.1 GM – H1 Maximum water absorption – total immersion, is less than 3% after 2 hours.
Mean water vapour resistance	– 12.5mm = 0.69MNS/g to EN 12572
Mean water vapour resistance factor (μ)	– 11

Handling and fixing

The instructions for handling, fixing, cutting and screwing are the same as those for 12.5mm GTEC Fire MR board.

Jointing Finishing & Painting

GTEC Aqua Board can be jointed and finished with Lafarge jointing systems. For internal lining in severe wet applications GTEC Aqua Board must be jointed with GTEC Aquamix and GTEC Drywall sealer may be required. Call the Lafarge Technical Enquiryline for more advice.

Health & Safety

There is no health hazard from gypsum. The non woven facer and core contain fibreglass, so the users should wear a facemask when cutting the board with an electric powered circular saw, which should have a dust extractor, fitted.

A board 2400mm x 1200mm x 12.5mm weighs 31kg.

2 people should carry this board.

Applications

- As a tile backer for bathrooms and shower rooms.
- For lining wet areas like swimming pools and plant rooms.
- As a sheathing board on structural steel framed external wall infill panels.
- As an exterior board under foam plastic insulation boards which are coated on site with the polymer or cement renders.
- For lining unexposed eaves soffits and canopies.
- For drylining any project where partitions and linings are to be fixed before the roof is on and the building is weather tight. The board does not grow black mould when wetted for a long period.
- For lining bathroom pods, where these are manufactured off site.
- For lining exposed roof trusses used as separating wall frames.

Warranty

A 6 month weather exposure warranty is offered for GTEC Aqua Board and up to 10 years product warranty* when correctly installed according to Lafarge Plasterboard Installation Guide.

* Subject to Lafarge Plasterboard Limited terms and conditions of sale



Authority

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Certificate No. FM 13594



Certificate No. EMS 75024

Plasterboard, jointing and associated products made in the United Kingdom by Lafarge Plasterboard are manufactured in accordance with management systems certified to BS EN ISO 9001: 2000 (quality) and BS EN ISO 14001: 2004 (environment)



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