

TECHNICAL DATASHEET

GTEC Fire MR Board

Description

GTEC Fire MR Board is for use in areas where increased fire resistance is required and moisture exposure is possible. The board is stronger, harder and heavier than Standard plasterboard and has superior fire resistance.

Appearance

GTEC Fire MR Board is coloured pink on the front and green on the back and has tapers down the long edges. Name and batch number of the board is written at the back and on the long edges of the board.

Composition

Aerated Calcium sulphate di-hydrate with water resistant additives, fillers and fibres enclosed inside liners made from recycled waste paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Compliance

GTEC Fire MR Board complies with BS EN 520:2004+A1:2009 Type D, F & H2.

Physical Properties

Flexural Strength to BS EN 520:

12.5 mm board

Longitudinal breaking load \geq 550 N

Transverse breaking load \geq 210 N

15.0 mm board

Longitudinal breaking load \geq 650 N

Transverse breaking load \geq 250 N

Fire, acoustic & duty performance dependent on the whole system. See Siniat Drywall Manual for Siniat system performances.

Reaction to fire:

Euroclass A2-s1, d0

Moisture Content:

< 2%

Mass:

10.3 kg/m² for 12.5 mm board

12.5 kg/m² for 15.0 mm board

Board weight:

29.7 kg for 2400 mm x 1200 mm x 12.5 mm board

36.0 kg for 2400 mm x 1200 mm x 15.0 mm board

Thermal Conductivity, λ_R :

0.25 W/mK to BS EN 12524

Thermal Resistance, R:

12.5 mm = 0.050 m²K/W

15.0 mm = 0.060 m²K/W

Moisture Resistance:

Fire MR Boards complies with BS EN 520 clause 3.2.3 Type H2 (less than 10% water absorption)

Mean Water vapour resistance factor:

μ = 10 to BS EN 12524

Handling & Fixing

GTEC Fire MR Board may be cut using the 'score and snap' method. No power tools are required.

Fixings must be suitable for the intended substrate:

GTEC Self Tapping Screws for attaching plasterboard to thin gauge metal (up to 0.7 mm);

GTEC Self Drilling Screws for attaching plasterboard to thick gauge metal (up to 2.5 mm);

GTEC High Thread Screws for attaching plasterboard to timber.

Jointing Finishing & Painting

GTEC Fire MR Board should be jointed and finished with GTEC Jointing systems. Boards are suitable for gypsum finishing plasters manufactured to BS EN 13279-1:2008. The boards require priming with GTEC Universal Sealer prior to decorating and treating with PVA bonding agent before plastering.

GTEC Fire MR V Board

GTEC Fire Moisture Vapour Board has the same physical properties as GTEC Fire Board (except Reaction to fire, see GTEC Fire V Board) but has a silver metallised polyester film back liner which enhances the vapour resistance of the product.

Health & Safety

Please refer to the Plasterboard Health and Safety Datasheet available on our website.

Individual board weight values may occasionally exceed nominal weights published in this datasheet.

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Please check that this is the current version by visiting the Siniat website. For archived versions please contact technical services.

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