

TECHNICAL DATA SHEET

GTEC Fire MR Board

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Description

GTEC Fire MR Board is for use in areas where high technical performance is required and there is moisture present. The board is stronger, harder and heavier than Standard plasterboard and has superior fire resistance, sound insulation and impact resistance.

Appearance

GTEC Fire MR Board is coloured pink on both faces and has tapers down the long edges.

Composition

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

Compliance Authority

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

Physical Properties

Strength to BS EN 520:

12.5 mm board

Longitudinal breaking load ≥ 550 N

Transverse breaking load ≥ 210 N

15 mm board

Longitudinal breaking load ≥ 650 N

Transverse breaking load ≥ 250 N

Fire Performance and Sound Insulation R_w dB depends on the system, call Technical Enquiryline for advice.

Reaction to fire:

Euroclass A2-s1,d0 BS EN 13501-1

Moisture Content:

< 2%

Mass:

11 kg/m² for 12.5mm board

13 kg/m² for 15mm board

Thermal Conductivity, λ_R :

0.25 W/mK

Thermal Resistance, R:

12.5 mm = 0.05 m²K/W

15.0 mm = 0.06 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:

$\mu = 10$ to BS EN 12524

Impact resistance to BS 5234-2

12.5 mm Medium Duty

15 mm Heavy Duty

Jointing Finishing & Painting

GTEC Fire MR Board can be jointed and finished with GTEC Jointing systems.

The boards require priming with GTEC Universal Sealer prior to decorating.

Health & Safety

Please read the Plasterboard Health and Safety Datasheet available on our website or from Enquiryline.

Board weight:

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

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

GTEC Fire Moisture V Board

The GTEC Fire Moisture Vapour Board has the same physical property as GTEC Fire Board but has a silver metallised polyester film back liner which enhances the vapour resistance of the product.

Mean Water Vapour Resistance in MNs/g = 58.5

Authority

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