

TECHNICAL DATA SHEET

GTEC Fire Board

Page 1 of 1

Description

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

Appearance

The GTEC Fire Board is coloured pink on the front and grey on the back, and has tapers down the long edges

Composition

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

Compliance Authority

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

Physical Properties

Strength to BS EN 520:

12.5 mm board

Longitudinal breaking load \geq 550N

Transverse breaking load \geq 210N

15 mm board

Longitudinal breaking load \geq 650N

Transverse breaking load \geq 250N

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

Reaction to fire:

Euroclass A2-s1,d0

Moisture Content:

< 2%

Mass:

10.2 kg/m² for 12.5mm board

12.3 kg/m² for 15mm board

Note: These boards are 20% heavier compared with Standard Plasterboard

Thermal Conductivity, λ_R :

0.25 W/mK to EN 12524:2000

Thermal Resistance, R:

12.5 mm = 0.05 m²K/W

15.0 mm = 0.06 m²K/W

Mean Water vapour resistance factor:

μ = 10 to BS EN12524 standard

Nail & screw pull through:

> 600 N

Impact resistance to BS 5234/2 depends on the system, according to appendix B

12.5 mm Medium duty

15 mm Heavy duty

Jointing Finishing & Painting

GTEC Fire 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

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

GTEC Fire V Board

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

The vapour board performance:

Mean Water Vapour Resistance in MNS/g = 58.5

Mean Water vapour resistance factor:

μ for 12.5mm GTEC Vapour Board = 930

Authority



Dr Ali Arasteh
BU Technical Manager
08/11/2013