TECHNICAL DATASHEET
GTEC Fire Board

Description
GTEC Fire Board is for use in areas where improved fire resistance is required. The board is stronger, harder and heavier than Standard plasterboard and has superior fire 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 (some 12.5 mm formats available in square edge).
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 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 Board complies with BS EN 520:2004+A1:2009 Type D & F.

Physical Properties
Flexural *Strength to BS EN 520:*
12.5 mm board
Longitudinal breaking load ≥ 550N
Transverse breaking load ≥ 210N
15.0 mm board
Longitudinal breaking load ≥ 650N
Transverse breaking load ≥ 250N

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:
10.2 kg/m^2 for 12.5 mm board
12.3 kg/m^2 for 15.0 mm board

Board weight:
29.4 kg for 2400 mm x 1200 mm x 12.5 mm board
35.4 kg for 2400 mm x 1200 mm x 15.0 mm board

Thermal Conductivity, λ_R:
0.25 W/mK to BS EN 12524:2000

Thermal Resistance, R:
12.5 mm = 0.050 m^{2}K/W
15.0 mm = 0.060 m^{2}K/W

Mean Water vapour resistance factor:
µ = 10 to BS EN 12524

Handling & Fixing
GTEC Fire 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 Board should be jointed and finished with GTEC Jointing systems. Boards are suitable for gypsum finishing plasters manufactured to BS EN 13279-1:2008. Boards require priming with GTEC Universal Sealer prior to decorating.

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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