

TECHNICAL DATASHEET

GTEC E Board

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Description

GTEC E Board is a dense plasterboard for use in areas where sound insulation is critical. The board is stronger, harder and heavier than normal plasterboard. This board has the mass required by the systems proposed in Approved Document Part E.

Appearance

GTEC E Board has an ivory coloured front face. The characters “E Board” are printed in the tapers of the plasterboard. The name and batch number of the board is written in the tapers of the plasterboard. The board is available in 12.5 mm thickness only.

Composition

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

Compliance

GTEC E Board complies with BS EN 520:2004+A1:2009 Type D

Physical Properties

Flexural Strength to BS EN 520:

Longitudinal breaking load ≥ 550 N

Transverse breaking load ≥ 210 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:

10.2 kg/m² for 12.5mm board

Board weight:

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

Thermal Conductivity, λ_R :

0.25 W/mK to BS EN 12524:2000

Thermal Resistance, R:

12.5 mm = 0.050 m²K/W

Mean Water vapour resistance factor:

$\mu = 10$ to BS EN 12524

Handling & Fixing

GTEC E 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 E Board should be jointed and finished with any of the 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.

Application

This board has been designed to fulfil the requirement of the system proposed in Approved Document Part E of the Building Regulations. GTEC E Board can be used for the party wall type 4 of Approved Document E, for all the ceilings treatment type A, B or C of Approved Document E and internal partition type A and B. Also, for all refurbishment solution with plasterboard proposed in the Approved Document E.

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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