Description

GTEC dB Board is a dense plasterboard for use in areas where sound insulation is critical. The board is stronger, harder and heavier than Standard plasterboard.

Appearance

The GTEC dB Board is coloured blue on the front and grey 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 fillers and enclosed inside liners made from recycled waste paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Compliance

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

Physical Properties

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

Fire, acoustic & duty performance dependent on whole system, contact Siniat Technical Services for advice.

Reaction to fire:
Euroclass A2-s1, d0

Moisture Content:
< 2 %

Mass:
11.0 kg/m^2 for 12.5 mm board
13.0 kg/m^2 for 15 mm board

Board weight:
31.7 kg for 2400 mm x 1200 mm x 12.5 mm board
37.4 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

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

Handling & Fixing

GTEC dB Board may be cut using the 'score and snap' method. No power tools are required.
Fixings must be suitable for the intended substrate:
GTEC Performance 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 dB 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. Front of the board, coloured ivory, is suitable for decorating. The boards require priming with GTEC Universal Sealer prior to decorating.

GTEC dB V Board

GTEC dB Vapour Board has the same physical properties as GTEC dB Board (except Reaction to fire, see GTEC Vapour 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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