

TECHNICAL DATA SHEET

GTEC dB Board

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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 and has superior fire resistance.

Appearance

The GTEC dB Board is coloured blue on the front and grey on the back, and has tapered down the long edges. The board is 12.5 mm & 15 mm thick.

Composition

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

Compliance Authority

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

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 to BS EN 13501-1

Moisture Content:

< 2 %

Mass:

11 kg/m² for 12.5mm board

13 kg/m² for 15mm board

Note: These boards are 30% heavier compared with normal wallboard.

Moisture Resistance:

GTEC dB Boards are not moisture resistant.

Thermal Conductivity, λ_R :

0.25 W/mK

Thermal Resistance, R:

12.5 mm = 0.05 m² K/W

15.0 mm = 0.06 m² K/W

Mean Water vapour resistance factor:

μ = 10 to BS EN12524 standard.

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

12.5 mm board Medium duty

15 mm board Heavy duty

Jointing Finishing & Painting

GTEC dB Board can be jointed and finished with any of the GTEC Jointing systems. It can be plastered on either side using single coat proprietary gypsum finishing plasters not less than 2mm thick. The blue liner paper requires more paint obscuration than normal ivory liner. Allow 10 litres / 100 m².

Health & Safety

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

Board weight:

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

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

GTEC dB V Board

The GTEC Vapour dB Board has the same physical property than the GTEC dB 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
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