Description

GTEC Universal Board is dense plasterboard 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

GTEC Universal Board is coloured yellow on the front and 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 fibres enclosed inside liners made from recycled waste paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Compliance Authority

GTEC Universal Board complies with BS EN 520:2004+A1:2009 Type D, F, I & R.

Physical Properties

Flexural Strength to BS EN 520:
12.5 mm board
Longitudinal breaking load ≥ 725 N
Transverse breaking load ≥ 300 N
15.0 mm board
Longitudinal breaking load ≥ 870 N
Transverse breaking load ≥ 360 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:
11.0 kg/m^2 for 12.5 mm board
13.0 kg/m^2 for 15.0 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

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

Handling & Fixing

GTEC Universal 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 Universal 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.

GTEC Universal V Board

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