

TECHNICAL DATA SHEET

GTEC MegaExcel

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Description

GTEC MegaExcel 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. The surface is suitable for plastering.

Appearance

GTEC MegaExcel is coloured yellow on the front and grey on the back.

Composition

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

Compliance Authority

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

Physical Properties

Strength to BS EN 520:

12.5 mm board

Longitudinal breaking load $\geq 725\text{N}$

Transverse breaking load $\geq 300\text{N}$

15 mm board

Longitudinal breaking load $\geq 870\text{N}$

Transverse breaking load $\geq 360\text{N}$

Fire Performance and Sound Insulation depend on the system.

Reaction to Fire :

Euroclass A2-s1,d0

Moisture Content:

< 2%

Nominal mass:

11.0 kg/m² for 12.5mm board

13.0 kg/m² for 15mm board

Thermal Conductivity, λ_R :

0.25 W/mK according to EN 12524:2000

Thermal Resistance, R:

12.5 mm = 0.05 m²K/W

15.0 mm = 0.06 m²K/W

Mean Water vapour resistance factor:

$\mu = 10$ to BS EN12524 standard

Nail & screw pull through:

> 700 N

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

12.5 mm Heavy Duty

15 mm Severe Duty

Jointing Finishing & Painting

GTEC MegaExcel can be jointed and finished with any of the GTEC Jointing systems. The surface is suitable for finishing with BS EN 13279-2 class B quality wallboard skimming plaster.

Health & Safety

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

Board weight:

Approx. 31.5kg for 2400 mm x 1200 mm x 12.5 mm board

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

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