

# TECHNICAL DATA SHEET

## GTEC Universal Board

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### 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. The surface is suitable for plastering..

### Appearance

GTEC Universal Board is coloured yellow on the front and on

### 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 Universal Board 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, call Technical Enquiryline for advice.

*Reaction to Fire :*

Euroclass A2-s1,d0 to BS EN 13501-1

*Moisture Content:*

< 2%

*Nominal mass:*

11.0 kg/m<sup>2</sup> for 12.5mm board

13.0 kg/m<sup>2</sup> for 15mm board

Note: These boards are 30% heavier than Standard plasterboard

*Thermal Conductivity,  $\lambda_R$ :*

0.25 W/mK according to EN 12524:2000

*Thermal Resistance, R:*

12.5 mm = 0.05 m<sup>2</sup>K/W

15.0 mm = 0.06 m<sup>2</sup>K/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 Universal Board can be jointed and finished with any of the GTEC Jointing systems. The surface is suitable for finishing with BS 1191 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:*

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

### GTEC Fire Moisture V Board

The GTEC Vapour Universal Board has the same physical property than the GTEC Universal 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 :

$\mu$  for 12.5mm GTEC Vapour Board = 930

### Authority



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