

# TECHNICAL DATA SHEET

## GTEC Megadeco

Page 1 of 1

### Description

GTEC Megadeco is a 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.

### Appearance

GTEC Megadeco is coloured white on the front and grey on the back, and has tapers down the long edges.

### Composition

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

### Compliance Authority

GTEC Megadeco 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  $\geq 550$  N

Transverse breaking load  $\geq 210$  N

15 mm board

Longitudinal breaking load  $\geq 650$  N

Transverse breaking load  $\geq 250$  N

Fire Performance and Acoustic Insulation  $R_w$  depend on the system call Technical Enquiryline for advice.

*Reaction to fire:*

Euroclass A2-s1,d0

*Moisture Content:*

< 2%

*Nominal mass:*

10.7 to 11.3 kg/m<sup>2</sup> for 12.5 mm board

12.7 to 13.3 kg/m<sup>2</sup> for 15 mm board

Note: These boards are 30% heavier compared with Standard plasterboard.

*Thermal Conductivity,  $\lambda_R$ :*

0.25 W/mK

*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:*

$\mu = 10$  according to BS EN 12524 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 Megadeco can be jointed and finished with only GTEC Deco jointing systems. The boards require no primer prior to decorating. The board is not suitable for skim plaster finish.

### 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

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

### GTEC Megadeco V Board

The GTEC Vapour Megadeco board has the same physical property than the GTEC Megadeco but has a silver metallised polyester film back liner which enhances the vapour resistance of the product.

### Authority



Dr Ali Arasteh  
BU Technical Manager  
08/11/2013