

# TECHNICAL DATA SHEET

## GTEC E Board

Page 1 of 1

### Description

GTEC E Board is a dense plasterboard for use in areas where sound insulation is critical. The board is stronger, harder and heavier than normal plasterboard and has superior fire resistance. This board has the mass required by the systems proposed in part E.

### Appearance

The GTEC E Board is coloured Light blue on the front and grey on the back, and has tapers down the long edges. The board is 12.5 mm thick.

### Composition

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

### Compliance Authority

GTEC E Board complies with BS EN 520:2004+A1:2009 Type D

### Physical Properties

*Strength to BS EN 520:*

Longitudinal breaking load  $\geq 550\text{N}$

Transverse breaking load  $\geq 210\text{N}$

Fire Performance and Acoustic 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:*

$10 \text{ kg/m}^2$  for 12.5mm board

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

*Thermal Conductivity,  $\lambda_R$ :*

$0.25 \text{ W/mK}$

*Thermal Resistance,  $R$ :*

$12.5 \text{ mm} = 0.05 \text{ m}^2\text{K/W}$

*Mean Water vapour resistance factor:*

$\mu = 10$  to BS EN12524 standard

Impact resistance to BS 5234-2 depends on the system, according to appendix B  
12.5 mm Medium duty

### Jointing Finishing & Painting

GTEC E 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 2 mm thick.

### Application

This board has been designed to fulfil the requirement of the system proposed in part E of the Building Regulations. GTEC E Board can be used for the party wall type 4 of part E of the Building Regulations, for all the ceilings treatment type A, B or C of the part E regulation and internal partition type A and B. Also, for all refurbishment solution with plasterboard proposed in the part E regulation.

### Health & Safety

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

*Board weight:*

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

### GTEC E V Board

The GTEC Vapour E Board has the same physical property than the GTEC E 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  $\text{MNs/g} = 58.5$

Mean Water vapour resistance factor:

$\mu$  for GTEC Vapour Board = 930

### Authority



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08/11/2013