

# TECHNICAL DATASHEET

## GTEC Vapour Board

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### Description

GTEC Vapour Board is for use as a general drylining board where vapour resistance is required.

### Appearance

GTEC Vapour Board is coloured ivory on the front and has a silver metallised polyester film back liner which enhances the vapour resistance, and has tapered down the long edges. Available in Square and Tapered Edge.

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 enclosed inside liners made from recycled waste paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

### Compliance

GTEC Vapour Board complies with BS EN 520:2004+A1:2009 Type A and BS EN 14190

### Physical Properties

*Flexural Strength to BS EN 520:*

9.5 mm board

Longitudinal breaking load  $\geq 400\text{N}$

Transversal breaking load  $\geq 160\text{N}$

12.5 mm board

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

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

15.0 mm board

Longitudinal breaking load  $\geq 650\text{N}$

Transversal breaking load  $\geq 250\text{N}$

Fire, acoustic & duty performance dependent on the whole system. See Siniat Drywall Manual for Siniat system performances.

*Reaction to fire:*

Euroclass B-s1, d0

*Moisture Content:*

< 2%

*Mass:*

6.0 kg/m<sup>2</sup> for 9.5 mm board

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

10.0 kg/m<sup>2</sup> for 15.0 mm board

*Board weight:*

17.3 kg for 2400 mm x 1200 mm x 9.5 mm board

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

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

*Thermal Conductivity,  $\lambda_R$ :*

0.19 W/mK

*Thermal Resistance, R:*

9.5 mm = 0.050 m<sup>2</sup>K/W

12.5 mm = 0.066 m<sup>2</sup>K/W

15.0 mm = 0.079 m<sup>2</sup>K/W

*Water Vapour Resistance Factor:*

$\mu = 930$

Water Vapour Resistance = 58.5 MNs/g

### Handling & Fixing

GTEC Vapour Board may be cut using the 'score and snap' method. No power tools are required.

Fixings must be suitable for the intended substrate:

GTEC 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 Vapour Board should be jointed and finished with 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.

### 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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### ETEX BUILDING PERFORMANCE LIMITED

Gordano House, Marsh Lane, Easton-in-Gordano, Bristol, BS20 0NE  
 Technical Services | T: +44 (0)800 145 6033 or +44 (0)1275 377 789  
 E: technical.siniat@etexbp.co.uk  
 www.siniat.co.uk

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