

**Description**

Siniat Megadeco is a pre-sealed dense plasterboard for use in areas where high technical performance and easy decoration (due to elimination of a need for priming prior to decoration) is required. The board is stronger, harder and heavier than Standard plasterboard and has superior fire resistance, sound insulation and impact resistance. Board is not suitable for skimming.

**Appearance**

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

**Compliance**

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

**Physical Properties**

*Flexural Strength to BS EN 520:*

12.5 mm board

Longitudinal breaking load  $\geq$  725 N

Transverse breaking load  $\geq$  300 N

15.0 mm board

Longitudinal breaking load  $\geq$  870 N

Transverse breaking load  $\geq$  360 N

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

*Reaction to fire:*

Euroclass A2-s1, d0

*Moisture Content:*

< 2%

*Mass:*

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

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

*Board weight:*

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

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

*Thermal Conductivity,  $\lambda_R$ :*

0.25 W/mK to BS EN 12524:2000

*Thermal Resistance, R:*

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

15.0 mm = 0.060 m<sup>2</sup>K/W

*Mean Water vapour resistance factor:*

$\mu$  = 10 to BS EN 12524

**Handling & Fixing**

Siniat Megadeco may be cut using the 'score and snap' method. No power tools are required.

Fixings must be suitable for the intended substrate:

GTEC Performance 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**

Siniat Megadeco should be jointed and finished with GTEC Deco jointing systems only. The boards require no primer prior to decorating. The board is not suitable for skim plaster finish.

**GTEC Megadeco V Board**

GTEC Megadeco Vapour Board has the same physical properties as GTEC Megadeco Board (except Reaction to fire, see GTEC Fire V Board) but has a silver metallised polyester film back liner which enhances the vapour resistance of the product.

**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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Please check that this is the current version by visiting the Siniat website. For archived versions please contact technical services.

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