

**Description**

Siniat LaDura is classified as a gypsum board. It is used where high performances with regards to strength, robustness, impact, finishing quality, acoustics insulation, fire resistance and moisture resistance are required. The board is stronger, harder and heavier than standard plasterboards.

**Appearance**

The Siniat LaDura is coloured white / grey on both faces and has tapers down the long edges. Wood particles (size from 0 to 3 mm) are visible in the core.  
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 with fillers, glass fibres, wood fibres (~5% of dry mass) and hydrophobic additives enclosed inside liners made from recycled waste paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

**Compliance**

The board complies with BS EN 520:2004+A1:2009 Type D, E, F, H1, I & R.

**Physical Properties***Flexural Strength to 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

*Young's Modulus E to DIN 18180:*

Longitudinal:  $\geq 3500$  N/mm<sup>2</sup>

Transversal:  $\geq 4500$  N/mm<sup>2</sup>

*Compressive Strength:*

12.5 mm and 15.0 mm boards:

$\geq 16$  N/mm<sup>2</sup>

*Surface hardness (Brinell):*

$\geq 35$  N/mm<sup>2</sup>

*Reaction to fire:*

Euroclass A2-s1, d0

*Moisture Content:*

< 1%

*Water vapour resistance factor:*

$\mu = 10$  to BS EN 12524

*Moisture Resistance:*

GTEC Moisture Board complies with BS EN 520 Type H1 (less than 5% water absorption).

*Dimensional stability under at 20°C:*

0.35 mm/m from 65 to 95 % RH.

*Mass:*

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

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

*Board weight:*

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

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

*Design pull-out loads including safety factor:*

- single layer 15 mm:

0.85 kN per fixing using SPIT CC Hollow Wall Anchor

0.4 kN per fixing using SPIT Driva

- double layer 15 mm:

1.15 kN per fixing using SPIT CC Hollow Wall Anchor

0.5 kN per fixing using SPIT Driva

(Cont'd)

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**Handling & Fixing**

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

GTEC Performance Self Tapping screws to be used for thin metal gauge (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 LaDura should be jointed and finished with any of the 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 and treating with PVA bonding agent before plastering.

**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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