

## Description

Siniat Aquaboard™ is for use in high humidity areas such as swimming pool environments, shower and toilet facilities, health spas, school kitchens. The board is stronger, harder and heavier than standard plasterboard and has superior fire resistance, water resistance, sound insulation performance and impact resistance. The board is not suitable for skim plastering.

## Appearance

Siniat Aquaboard™ is coloured orange on both faces and has tapers down the long edges.

Name and batch number of the board are written at the back and on the long edges of the board.

## Composition

Aerated calcium sulphate di-hydrate with liners made from non-woven tissue with fillers and fibres enclosed inside the gypsum core. Core and papers are bonded with starch. Edge glue is PVA. The core contains a Sanitized® biocide to eliminate bacteria, fungus and to prevent mould growth and hydrophobic additives for water resistance.

## Compliance

12.5mm and 15mm Siniat Aquaboard™ are CE marked to EN15283-1, Type GM-H1, GM-I and GM-F. They also comply with EN520 Type, D, E, F, H1, I (not marked on board).

## Physical Properties

*Flexural Strength to BS EN 15283 – 1:*

12.5 mm board

Longitudinal breaking load ≥ 538 N

Transverse breaking load ≥ 210 N

15.0 mm board

Longitudinal breaking load ≥ 645 N

Transverse breaking load ≥ 252 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

*Mass:*

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

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

*Board weight:*

11.0 kg for 850 x 1200 x 12.5 mm board

31.1 kg for 2400 x 1200 x 12.5 mm board

37.4 kg for 2400 x 1200 x 15 mm board

*Thermal Conductivity, λ<sub>R</sub>:*

0.25 W/mK to BS EN ISO 12572

*Thermal Resistance, R:*

12.5mm = 0.05 m<sup>2</sup> K/W

15mm = 0.06 m<sup>2</sup> K/W

## Wet Area Properties

*Moisture Content:*

< 1%

*Moisture Resistance:*

Maximum water uptake after 2h total immersion in water:

< 3%

*Water vapour resistance factor:*

μ = 10 to BS EN ISO 12572

*Size variation at 20°C and Humidity 65% RH to 85% RH (DIN EN 318)*

Longitudinal direction 0.15 mm/m

Transverse direction 0.11 mm/m

*Freeze -20°C:*

No loss of integrity and no crack in the core

*Mould, fungus and bacteria Resistance:*

Determination of mold resistance:				
Method	Test point	Growth rate	Surface area	Evaluation
EN ISO 846 Section A	Growth rate 0 to 5 after 4 weeks of incubation	0	None	Excellent mold resistance
Quantitative analysis for determination of the bacteriostatic activity:				
Method	Test point	Activity	Reduction in %	Evaluation
JIS Z 2801	Escherichia coli ATCC 8739	>6.00	>99.99	Good effect
JIS Z 2801	Listeria monocytogenes ATCC 15313	2.20	99.37	Good effect
JIS Z 2801	Legionella pneumophila ATCC 33152	4.10	99.99	Good effect
JIS Z 2801	Staphylococcus aureus (MRSA) ATCC 33592	>3.90	>99.99	Good effect
JIS Z 2801	Salmonella enteritidis ATCC 13076	4.20	99.99	Good effect

## Handling & Fixing

Siniat Aquaboard™ may be cut using the 'score and snap' method as used with plasterboards.

No power tools are required.

(Cont'd)

Please check that this is the current version by visiting the Siniat website. For archived versions please contact Technical Services.

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*Fixings must be suitable for the intended substrate:*

Siniat Wet Area Self Tapping Screws for attaching plasterboard to thin gauge metal (up to 0.7 mm);

Siniat Wet Area Self Drilling Screws for attaching plasterboard to thick gauge metal (up to 2.5 mm);

Siniat Wet Area High Thread Screws for timber substrates.

**Jointing, Finishing & Painting**

Siniat Aquaboard™ should be jointed and finished with Siniat Aquamix jointing system.

The board is not suitable for skim plastering.

In wet areas, the board requires priming with Siniat Drywall 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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