TECHNICAL DATASHEET
Siniat Aqua Board

Description
Siniat Aqua Board is for use in areas exposed to humidity where high performance is expected. 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 skim plastering.

Appearance
The Siniat Aqua Board is coloured orange on both faces and has tapers down the long edges.
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 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 biocide to prevent mould growth and hydrophobic additives for water resistance.

Compliance
12.5mm and 15mm Siniat Aqua Board 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

Moisture Content:
< 1%

Mass:
10.8 kg/m^2 for 12.5 mm board
13.0 kg/m^2 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_R:
0.25 W/mK to BS EN ISO 12572
Thermal Resistance, R:
12.5mm = 0.05 m^2 K/W
15mm = 0.06 m^2 K/W

Racking Resistance:
Refer to Siniat Aqua Board – Racking Test Technical Data Sheet.

Wet Area Properties
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 Resistance:
Maximum resistance 10/10 to ASTM 03273

Handling & Fixing
Siniat Aqua Board may be cut using the 'score and snap' method as used with plasterboards. No power tools are required.
Fixings must be suitable for the intended substrate:
GTEC Wet Area Self Tapping Screws for attaching plasterboard to thin gauge metal (up to 0.7 mm);
GTEC Wet Area Self Drilling Screws for attaching plasterboard to thick gauge metal (up to 2.5 mm);
GTEC Wet Area High Thread Screws for timber substrates.

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Jointing, Finishing & Painting

Siniat Aqua Board should be jointed and finished with Siniat Aquamix jointing system. Board is not suitable for skim plastering. In wet areas, the boards require priming with GTEC 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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