

TECHNICAL DATASHEET GTEC Moisture Board

Page 1 of 1

Description

GTEC Moisture Board is for use in moist areas where standard plasterboards are not suitable. In wet or high humidity environments Siniat Aqua Board is recommended.

Appearance

The GTEC Moisture Board is coloured green 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 fillers, moisture resistant additives enclosed inside liners made from recycled waste paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Compliance

GTEC Moisture Board complies with BS EN520:2004+A1:2009 Type H2.

Physical Properties

Flexural Strength to BS EN 520:

12.5 mm board

Longitudinal breaking load ≥ 550 N

Transverse breaking load ≥ 210 N

15.0 mm board

Longitudinal breaking load ≥ 650 N

Transverse breaking load ≥ 250 N

Reaction to fire:

Euroclass A2-s1, d0

Moisture Content:

< 2%

Mass:

9.0 kg/m² for 12.5mm board

11.9 kg/m² for 15mm board

Board weight:

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

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

Moisture Resistance:

GTEC Moisture Board complies with BS EN 520 Type H2 (less than 10% water absorption).

Thermal Conductivity, λ_R :

0.25 W/mK to BS EN 12524:2000

Thermal Resistance, R:

12.5 mm = 0.050 m²K/W

15.0 mm = 0.060 m²K/W

Water vapour resistance factor:

$\mu = 10$ to BS EN 12524

Handling & Fixing

GTEC Moisture 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 Moisture Board should be jointed and finished with GTEC jointing systems. Boards require treating with PVA bonding agent before plastering with for gypsum finishing plasters manufactured to BS EN 13279-1:2008. Boards require priming with GTEC Universal Sealer prior to decorating.

GTEC Moisture V Board

GTEC Moisture Vapour Board has the same physical properties as GTEC Moisture Board (except Reaction to fire, see GTEC Vapour 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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