TECHNICAL DATASHEET
GTEC Fire Core Board

Description

GTEC Fire Core Board is a fire resistant, high strength board suitable for the GTEC Shaftwall systems and fire protection. It also suitable for use in areas where there is moisture present. The board is thicker, stronger, harder and heavier than standard plasterboards and has superior fire resistance, sound insulation and impact resistance.

Appearance

GTEC Fire Core Board is coloured green on both faces and has square edges.

Composition

Aerated calcium sulphate di-hydrate with fillers, fibres & 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 Fire Core Board complies with BS EN 520:2004+A1:2009 Type D, F & H1 and R

Physical Properties

Flexural Strength to BS EN 520:

19.0 mm board

Longitudinal breaking load ≥ 1102 N

Transversal breaking load ≥ 456 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:

16.4 kg/m^2 for 19.0 mm board

Board weight:

29.5 kg for 3000mm x 600mm x 19.0 mm board

Thermal Conductivity, λ_R:

0.25 W/mK to BS EN 12524:2000

Thermal Resistance, R:

19.0 mm = 0.076 m^{2}K/W

Water Vapour Resistance Factor:

μ = 10 to BS EN 12524

Moisture Resistance:

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

Jointing Finishing & Painting

GTEC Fire Core Board should be jointed and finished with 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.

Applications

GTEC Fire Core Board is designed to be used in GTEC Shaftwall systems only.

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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