

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 paper with bound edges. Core and papers are bonded with starch. Edge glue is PVA.

Compliance Authority

GTEC Fire Core Board complies with BS EN 520:2004+A1:2009 Type D, F & H1, and R

Physical Properties

Strength to BS EN 520:

| | |
|------------------------------|-------------|
| Transverse breaking load - | 19mm: 456N |
| | 25mm: 600N |
| Longitudinal breaking load - | 19mm: 1102N |
| | 25mm: 1450N |

Fire, acoustic & duty performance dependent on whole system, contact Siniat Technical Services for advice.

Reaction to fire:

Limited combustibility. Euroclass A2,s1-d0

Moisture Content:

< 2%

Mass:

19mm - 16.4 kg/m²

25mm - 21.6 kg/m²

Thermal Conductivity, λ_R :

0.25 W/mK

Thermal Resistance, R:

19mm: 0.076 m²K/W

25mm: 0.10 m²K/W

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 can be jointed and finished with GTEC Jointing systems. The boards require priming with GTEC Universal Sealer prior to decorating.

Health & Safety

Please refer to the Plasterboard Health and Safety Datasheet available on our website.

Board weight:

30kg for 3000mm x 600mm x 19mm board

39kg for 3000mm x 600mm x 25mm board

13/09/2017 RC