



FYBATEX PANELS

General Technical Specification

General description:

Fybatex panel - GRP solid coloured panel, designed for use in a general cladding, lining applications. Manufactured by combining hundreds of thousands of glass strands with pigmented thermoset UV resins.

FINISHING SURFACE

Standard surfaces included:

1. Smooth / Crinkle
2. Smooth / Smooth
3. Smooth / Leatherette
4. Crinkle / Crinkle
5. Leatherette / Leatherette
6. Smooth / Resotex

Surfaces available for special order:

1. Woodgrain / any from standard range

WEIGHT OF A PANEL:

THICKNESS	WEIGHT
[mm]	[kg/m ²]
2mm	2.60
3mm	4.00
4mm	5.10
5mm	6.80
6mm	8.10

FIRE RESISTANCE

Products can be manufactured to either:

1. General purpose (GP) grade (all products)
2. BS 476 Part 7 Class 1 (all products)
3. BS 476 Part 6 Class 'O' (all products)
4. BS 476 Part 7 Class 2 (all products)

THERMAL CO-EFFICIENT OF EXPANSION

30×10^{-6} /Deg C

FACT: Compared with many other plastics GRP has minimal expansion and contraction characteristics and will not bow and warp in extremes of temperature.

COLOUR RANGE

Panels can be manufactured to the following:

- B.S. 4800 Colour Range
- B.S. 5252 Colour Range
- RAL Colour Range.

A colour match service is also available.

FLEXURAL STRENGTH

193 MPa

FACT: Flexural strength can be enhanced by the addition of woven reinforcement if required.

SIZE & THICKNESS

Panels can be manufactured to any length but with a width restriction of 1525mm. Standard product range can be manufactured to literally any thickness from 2mm upward.

TENSILE STRENGTH

123MPa

TENSILE MODULUS

7.1 GPa

GRP sheet is up to seven times stronger than mild steel on a weight for weight basis.

THERMAL CONDUCTIVITY

FYBATEX: 0.2 w/mK

LOGISTICS

Panels are usually supplied on pallets and can be delivered anywhere in the UK within approximately 7-10 working days under normal circumstances. Each panel can be marked with a location code and panel size on the protective covering of the goods if required.