



## FYBATEX PANELS

### General Technical Specification

#### GENERAL DESCRIPTION

**Fybatex panels** - 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 include:

- |                             |                     |                    |
|-----------------------------|---------------------|--------------------|
| * Smooth / Crinkle          | * Smooth / Smooth   | * Woodgrain / with |
| * Smooth / Leatherette      | * Crinkle / Crinkle | any of the other   |
| * Leatherette / Leatherette | * Smooth / Resotex  | finishes offered   |

#### WEIGHT OF A PANEL

THICKNESS	WEIGHT	THICKNESS	WEIGHT
[mm]	[kg/m <sup>2</sup> ]	[mm]	[kg/m <sup>2</sup> ]
3mm	4.00	8mm	10.20
4mm	5.10	9mm	12.24
5mm	6.80	10mm	13.60
6mm	8.10	11mm	14.96
7mm	9.52	12mm	16.20

#### 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 $30 \times 10^{-6} / ^\circ\text{C}$

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

#### THERMAL CONDUCTIVITY

FYBATEX: 0.2 w/mK

#### COLOUR RANGE

Panels can be manufactured to the following:

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

RAL Colour Range

A colour matching service is also available

#### 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.

#### FLEXURAL STRENGTH 193 MPa

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

#### TENSILE STRENGTH 123 MPa

#### TENSILE MODULUS 7.1 GPa

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

#### 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.

Due to the wide variety of products within this range these Technical Specifications should be considered as a guide only. Please contact us if more specific product qualities and performance ratings are required.