



## 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 [mm]	WEIGHT [kg/m <sup>2</sup> ]
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**

$30 \times 10^{-6}$  /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/m<sup>2</sup>K

### **LOGISTICS**

Panels are usually supplied on pallets and can be delivered anywhere in the EU within approximately 10 -14 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.