

## GRP Specialist Sheet Products



### **SPECIALIST SHEET PRODUCTS**

#### General Technical Specification

Due to the wide variety of products and variations available in the Fybaplate range, the following technical specifications should be considered as a guide only. Please contact us directly for more accurate product qualities and performance ratings.

#### **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**

GRITPLATE: 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.