

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

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

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.

