



FYBACORE PANELS

General Technical Specification

General description:

Fybacore panel - manufactured by press bonding Fybatex GRP onto a range of core materials, to produce attractive, cladding / infill solution for a wide variety of new build and refurbishment applications.

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

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 ²]
24mm ply	18.00
24mm foam	9.00
48mm foam	11.00
57mm foam	13.00

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 x 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 a wide range of reinforcements, if required.

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.

* These figures relate directly to the fybatex skins, the actual values vary according to the cores that are used.

THERMAL CONDUCTIVITY

FYBATEX: 0.2 w/mK

FYBACORE: The thermal conductivity is entirely dependent on the chosen substrate, but better than 0.35 'U' value is achievable.

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.

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.