

# GRP Non-Slip Flooring

## General Technical Specification

### Slip resistance “ Pendulum Test”

Surface Finish	Surface Roughness Rz	Surface Temperature °C	Orientation	Pendulum Test Value (mean)	
				Dry	Wet
Medium Grit	54.5	24	Along	90	83
			Across	98	85
Fine Grit	64.7	24	Along	103	87
			Across	100	88

The TRL pendulum tester has a range of readings from 0 to 150, high values indicating good slip resistance. Guidance on the interpretation of results using the Four S Slider is suggested by the UK Slip Resistance Group as follows:

Potential For Slip	Pendulum Test Value
High	0 to 24
Moderate	25 to 35
Low	36 +

#### WEIGHT OF A PANEL:

THICKNESS [mm]	WEIGHT [kg/m <sup>2</sup> ]
2mm	2.60
3mm	4.00
4mm	5.10
5mm	6.80
6mm	8.10

#### FIRE RESISTANCE

Products can be manufactured to different degree of fire resistance:

1. General purpose (GP) grade (all products).
2. BS 476 Part 7 Class 1 (surface spread of flame, all products)
3. BS 476 Part 6 Class 'O' (heat release, all products)
4. BS 476 Part 7 Class 2 (surface spread of flame, all products)
5. Phenolic

#### SURFACE PROFILES

Type of grit - Fused Alumina, other types such quartz or bauxite are available to special order.

Grit grades :

1. Fine
2. Medium
3. Coarse

#### 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

Black, grey and yellow colour as a standard.

Although tiles and 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

Tiles and panels can be manufactured to any size but with a width restriction of 1525mm. Standard product range can be manufactured to literally any thickness from 2mm upward.

#### THERMAL CONDUCTIVITY

GRITTED PLATE: 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.

#### 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.