

GRP Plate – Data Sheet

Product Name	GRP solid plate
Chemical Name	GRP plate made from glass reinforced polyester
Ingredients	Fibrous glass, polyester resin, catalyst (peroxyester), styrene, aluminium oxide, pigments. Ingredients are chemically cured and bonded together
Grit	Crushed quartz
Hazards Acute Effect	None by contact. Dust produced by cutting can penetrate the pores of the skin causing itching. Avoid breathing dust. Use respirator 3M No 4251
Appearance	Solid flat panels with gritted surface to one side. Thickness from 1.5mm to 20mm
Fire Tests	Product has been tested to ASTM-E84 tunnel test method and has received a class 1 rating
Waste Disposal	Abide by local laws and procedures. Product is not considered a hazardous waste

Thermal conductivity	0.2 w/mk
Tensile strength	123 mpa
Tensile modulus	7.1 gpa
Flexural strength	193 mpa
Thermal co-efficient of expansion	$30 \times 10^{-6}/\text{deg C}$
Sheet dimensions (feet)	8 x 4 max
(mm)	2440 x 1220
Approx. weight - 4mm thick	4.95kgs/m ²
6mm	7.2kgs/m ²
8mm	9.8kgs/m ²
10mm	12.2kgs/m ²

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