



GRP Specification

(Glass Reinforced Plastic)

1.	Uses only raw materials from certified and approved suppliers, complying with: B.S 3532 1562 for polyester laminating resin B.S 3496 1973 for E glass fibre chopped strand mat B.S 3749 1964 for woven glass fibre rovings
2.	Is manufactured with a minimum of two layers of glass fibre reinforcement and a minimum resin to glass ratio of 2.5 : 1.
3.	Can be manufactured to achieve an index of less than twelve in accordance with B.S. 476 Part 6, achieve a classification of Class 1 in accordance with B.S. 476 Part 7 and thus meet the requirements for a Class 0 structure.
4.	Is oven-cured in accordance with raw material suppliers' recommendations to achieve the specified performance of the cured resin and to achieve a minimum Barcol hardness of 30 at ambient temperature in accordance with B.S. 2782 : Part 10 : Method 1001.
5.	Is specifically designed to meet specified dead and imposed loads and wind loads calculated in accordance with C.P.3 : Chapter V: Part 2.
6.	Is manufactured with a gelcoat to external surfaces to give an overall nominal thickness of 500 microns. Pigmented gelcoats are obtained from the same colour batch to ensure uniformity of colour.
7.	When manufactured with a pigmented gelcoat in standard B.S. 4800 or R.A.L. colours, has a colour fastness to daylight of not less than standard 5 when measured to B.S. 1006 : 2/7 scale.
8.	Where specifically required, Incorporates U.V. stabilisers within the pigmented gelcoat.
9.	Is manufactured in accordance with a fully documented quality assurance procedure complying with B.S. 4549 : Part 1 : 1970.