

GFP DECK 500



DECK 500 is a one-piece pultruded profile, 500mm over width, with a tongue and groove joint along the length of the plank that gives a firm, sealable joint between lengths of profile. It comes in 6m long panels. The o/a depth is 40mm.

DECK 500 gives a solid floor with a gritted anti-slip surface. It will span 1.5m at a design load of 5kN/m² with a deflection limit of L/200 and meets all the requirements of BS 4592-4 Industrial type flooring and stair treads — Part 5: Solid plates in metal and glass reinforced plastics (GRP) — Specification and BS EN ISO 14122 part 2 - Safety of Machinery – Permanent means of access to machinery.

DECK500 meets all the requirements of EN 13706 – Specification of grp profiles – Grade E23 and is manufactured under ISO 9000 registered quality control system. DECK500 is suitable as a mezzanine floor, for walkways, pedestrian bridge decks and odour control covers or to keep out water penetration in potable and waste water treatment units.

Mechanical Properties

The following data has been calculated from measurements made of the full section modulus -EN 13706, Annex D

LOAD TABLE

UDL loading					
span mm	750	1000	1250	1500	1750
deflection=L/200	3.75	5.00	6.25	7.50	8.75
load kN/m ²	42.73	18.03	9.23	5.34	3.36
Centre point loading					
span mm	750	1000	1250	1500	1750
deflection=L/200	3.75	5.00	6.25	7.50	8.75
load kN	10.02	5.63	3.61	2.50	1.84