



# Deck500

DECK500 is a one-piece profile, 500mm over width x 40mm height, with a tongue and groove joint along the length of the plank that gives a firm, sealable joint between lengths of profile.

DECK500 gives a solid floor with a gritted anti-slip surface. It will span 1.5m at a design load of 5kN/m<sup>2</sup> 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 can be used in a number of other applications where its strength, light weight and easy of joining provide important benefits.

For example:

- Top deck covers for cooling towers
- Baffles in water treatment tanks
- Stop locks
- Floor defence barriers—easy to install, no theft value

### 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 <sup>2</sup>	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



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