



DeckSafe

SOLUTIONS

DECKSAFE500 - Pultruded Plank Flooring

DECKSAFE500 is a one-piece pultruded profile, 500mm wide 40mm thick, with a tongue and groove joint along the length of the plank that gives a firm, sealable joint between lengths of profile.



DECKSAFE500 gives a solid floor with a gritted anti-slip surface.

STRONG – LIGHTWEIGHT – EASY TO INSTALL

- Mezzanine floors
 - Walkways
 - Pedestrian bridge decks
 - Odour control covers
 - Top deck covers for cooling towers
 - Baffles in water treatment tanks
 - Stop locks
 - Flood defence barriers
-
- Keeps out water penetration in potable and waste water treatment units.
 - Easy to install, no theft value.



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Technical Specifications

It will span 1.5m at a design load of 5kN/m² with a deflection limit of L/200

Meets 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.

EN 13706 – Specification of GRP profiles – Grade E23 and is manufactured under ISO 9000 registered quality control system.

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/m2	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

Weight – 17.4kg . sqm

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