

## Heavy Duty Structural - Load and Deflection Table

STRUCTURAL PANELS - Covered Top				Unsupported Span (unfixed) over a 1m length						
Panel Thickness	construction	Weight/m2	Load Type	500mm	750mm	1000mm	1200mm	1500mm	1750mm	2000mm
30mm	25+5mm	24kg	Point Load	2010kg	894kg	503kg	349kg	223kg	164kg	126kg
			UDL	5063kg	1922kg	811kg	469kg	240kg	151kg	101kg
43mm	38+5mm	30kg	Point Load	4637kg	2077kg	1168kg	811kg	519kg	381kg	292kg
			UDL	9645kg	5248kg	2214kg	1281kg	656kg	413kg	277kg
55mm	50+5mm	34kg	Point Load	6462kg	3000kg	1686kg	1170kg	750kg	551kg	422kg
			UDL	12926kg	8617kg	3795kg	2196kg	1125kg	708kg	474kg

  

STRUCTURAL PANELS - Cored Panels				Unsupported Span (unfixed) over a 1m length						
Panel Thickness	construction	Weight/m2	Load Type	500mm	750mm	1000mm	1200mm	1500mm	1750mm	2000mm
42mm	6+30+6mm	38kg	Point Load	10078kg	4479kg	2520kg	1750kg	1120kg	823kg	630kg
			UDL	20480kg	10884kg	4592kg	2657kg	1361kg	857kg	574kg
50mm	6+38+6mm	42kg	Point Load	13199kg	6873kg	3866kg	2685kg	1718kg	1262kg	967kg
			UDL	26398kg	16700kg	7046kg	4078kg	2088kg	1315kg	881kg
62mm	6+50+6mm	46kg	Point Load	18158kg	11725kg	6595kg	4580kg	2931kg	2154kg	1649kg
			UDL	36315kg	24210kg	12020kg	6956kg	3561kg	2243kg	1502kg
74mm	12+50+12mm	70kg	Point Load	34395kg	22930kg	14911kg	10355kg	6627kg	4869kg	3728kg
			UDL	68789kg	45860kg	27175kg	15727kg	8052kg	5070kg	3397kg

Calculations are based around a 1% Deflection when the load (kg) is applied

### Quality Assurance

ISO 9001 All Fibreglass products are manufactured using high quality corrosion resistant polyester resins with pure glass fibre roving reinforcements. Fibreglass grating is pigmented throughout to the above RAL colour and all products contain fire Resistant Additive as standard.

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