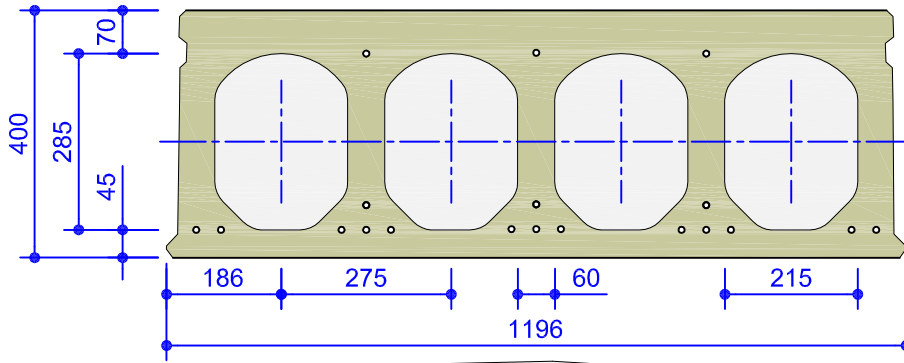
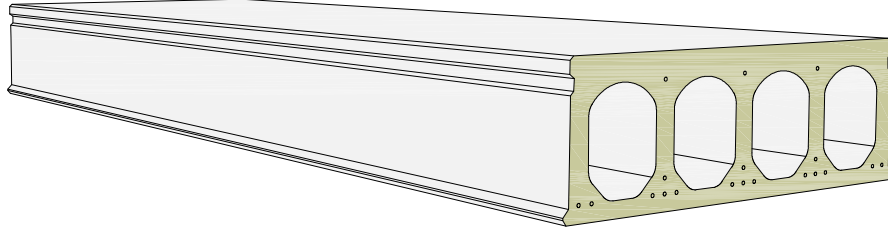


PRESTRESSED HOLLOW CORE PANELS 400mm

Type HC 400/1



CROSS SECTION
PROFILE 400mm



SAFE LOAD TABLE

SPAN	SAFE LOAD	MAX. SAFE SHEAR	SAFE LOAD	MAX. SAFE SHEAR
	<i>kg/sqm</i>	<i>tn/panel</i>	<i>kg/sqm</i> with 100mm topping	<i>tn/panel</i> with 100mm topping
3.00m	4,211	7.58	8,359	15.05
3.50m	3,557	7.47	7,082	14.87
4.00m	3,067	7.36	6,124	14.70
4.50m	2,686	7.25	5,379	14.52
5.00m	2,381	7.14	4,783	14.35
5.50m	2,131	7.03	4,295	14.18
6.00m	1,923	6.92	3,889	14.00
6.50m	1,747	6.81	3,545	13.83
7.00m	1,596	6.71	3,251	13.65
7.50m	1,466	6.60	2,995	13.48
8.00m	1,351	6.49	2,772	13.30
8.50m	1,250	6.38	2,575	13.13
9.00m	1,161	6.27	2,399	12.96
9.50m	1,080	6.16	2,243	12.78
10.00m	1,008	6.05	2,101	12.61
10.50m	943	5.94	1,974	12.43
11.00m	883	5.83	1,858	12.26
11.50m	829	5.72	1,752	12.09
12.00m	779	5.61	1,634	11.91
12.50m	734	5.50	1,460	11.74
13.00m	692	5.39	1,306	11.56
13.50m	652	5.28	1,169	11.39
14.00m	616	5.18	1,046	11.22
14.50m	582	5.07	936	11.04
15.00m	551	4.96	837	10.87
15.50m	521	4.85	747	10.69
16.00m	494	4.74	665	10.52

WIDTH	1200mm
HEIGHT	400mm
AREA	213200mm ²
SELF WEIGHT	511kg/m
CENTROID	X - 600mm Y - 198mm
MOMENTS OF INERTIA	I - 4.42 x 10 ⁸ mm ⁴

Concrete topping should be grade C25/30 or higher
It is suggested that a minimum of A142 steel mesh be inserted within the concrete topping
Safe Load and Max. Safe Shear refer to unfactored loads

All Dimension are in Millimetres (mm) unless otherwise stated



The above tables are for guidance only. For further information contact us at:

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