VOID FORMERS AND PILE CASINGS

DEVELOPMENT

The Superlite Void Former has been developed to provide the South African construction industry with a low cost, lightweight and robust cell former. They are designed to meet the stringent performance requirements imposed by local design and on-site conditions. They are spirally locked, seamed and swaged for maximum strength and resist the full hydrostatic pressure of concrete and all loads associated with the compaction or vibration of concrete during placing.

PRODUCT CHARACTERISTICS

Superlite cell formers are available in uncoated or galvanized mild steel. Standard material thicknesses are 0,6; 0,8; 1,0 and 1,2 mm but other thicknesses can be catered for if the need arises. The standard maximum length of the cell former is 6 m, but special longer lengths are available on request. Where extra long lengths are required, the cell formers may be supplied in split lengths and fitted with a system of spigot and socket joining collars to enable the contractor to achieve any length that may be required. Stop ends can be provided if required to prevent the ingress of concrete, if the cell is to be used as a void former. Timber braces can be provided to minimise the risk of distortion during transport action especially where long distances are involved.

Diameter	0,60	0,80	1,00	1,20
Internal	Mass	Mass	Mass	Mass
220	4.17	5.55	6.95	8.34
245	4.64	6.19	7.74	9.29
270	5.12	6.82	8.52	10.23
300	5.69	7.57	9.47	11.37
313	5.93	7.91	9.88	11.86
325	6.16	8.20	10.26	12.32
330	6.25	8.34	10.42	12.50
355	6.73	8.97	11.21	13.45
378	7.16	9.54	11.93	14.33
406	7.69	10.25	12.82	15.38
420	7.96	10.60	13.26	15.92
450	8.52	11.37	14.21	17.05
480	9.09	12.12	15.16	18.19
500	9.48	12.62	15.79	18.95
508	9.62	12.83	16.04	19.25
550	10.42	13.89	17.37	20.84
560	10.59	14.12	17.65	21.18
600	11.37	15.16	18.94	22.73
610	11.56	15.41	19.26	23.11
635	12.03	16.04	20.05	24.06
660	12.50	16.67	20.84	25.01
685	12.98	17.30	21.63	25.95
711	13.47	17.96	22.45	26.94
750	14.21	18.94	23.68	28.42
812	1	20.51	25.64	30.76
864		21.82	27.28	32.74
915		23.11	28.89	34.67
965		24.37	30.47	36.56
1000		25.26	31.57	37.89
1016		25.66	32.08	38.49
1066		26.93	33.66	40.39

Table 1 Standard Diameters and Masses

Note: All void cells below the orange line in the various material thicknesses must have timber cross braces.

