

Caraustar

Converted Products Group

1707 Dugald Rd., Winnipeg, Manitoba Canada R2J 0H3
Phone (204) 661-8333 - Fax (204) 663-9378
Toll Free 1-888-462-9377

ROUND FIBRE FORMING TUBE (Manufactured by Caraustar CPG)

Suggested Rate of Pour - Per Hour

	Standard Wall	Light Wall
Up to 12" ID.....	Pour at any convenient rate	
Up to 24" ID.....	18 ft/hour	15 ft/hour
Up to 36" ID.....	11 ft/hour	9 ft/hour
Up to 42" ID.....	7 ft/hour	6 ft/hour
Up to 48" ID.....	6 ft/hour	5 ft/hour

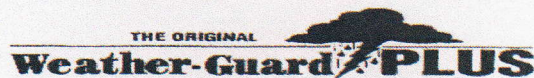
Slump should not exceed 6" - Max. Pour Height on Light Wall - 12 ft.

CONCRETE REQUIREMENTS

Diameter of Tube	Cubic Yards Concrete Per Foot of Column Height
6" .....	.0073
8" .....	.0129
10" .....	.0202
12" .....	.0291
14" .....	.0396
16" .....	.0571
18" .....	.0654
20" .....	.0808
22" .....	.0978
24" .....	.1164
26" .....	.1368
28" .....	.1584
30" .....	.1818
36" .....	.2618
48" .....	.4654

For total concrete requirements per column: Take figure beside diameter of tube, and multiply by column height.

FIBRE TUBING IN ANY DIAMETER, LENGTH OR WEIGHT



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Beware of Lateral Pressure

Loads imposed by fresh concrete against wall or column forms differ from the gravity loads on horizontal slab forms. Freshly placed concrete behaves like a fluid, producing hydrostatic pressure that acts laterally on vertical forms. With slow rates of placement, concrete at the bottom of a form begins to harden, reducing lateral pressure to less than full fluid pressure by the time concrete fills the upper part of the form. Most column forms, however, are small enough that concrete can be placed the full height of the form quickly. Therefore, it is important to strictly follow the column forms manufacturer's suggested pour rate. If using job-built forms, refer to the table as a guide. Filling column forms faster than recommended may produce lateral pressure that are to high. This can result in deformations in the finished column.

Maximum Lateral Pressure for Design of Column Forms

Applies only for normal-weight concrete made with Type I cement, no admixtures or pozzolans, slump no more than 4 inches, and vibration depth limited to 4 feet.

Rate of Placement (ft. per hr.)	Maximum Lateral Pressure (psf) for Temperature Indicated					
	90 F	80 F	70 F	60 F	50 F	40 F
1	600 psf minimum governs					
2	600 psf minimum governs					
3	600 psf minimum governs					
4			664	750	870	1050
5	650	712	793	900	1050	1275
6	750	825	921	1050	1230	1500
7	850	938	1050	1200	1410	1725
8	950	1050	1178	1350	1590	1950
9	1050	1163	1307	1500	1770	2175
10	1150	1275	1436	1650	1950	2400
11	1250	1388	1564	1800	2130	2625
12	1350	1500	1693	1950	2310	2850
13	1450	1613	1822	2100	2490	3000
14	1550	1725	1950	2250	2670	
16	1750	1950	2207	2550	3000	
18	1950	2175	2464	2850		
20	2150	2400	2721	3000		
22	2350	2625	2979			
24	2550	2850	3000			
26	2750	3000				
28	2650					
30	3000	3000 psf maximum governs				

Note: Do not use design pressures greater than 150 x height of fresh concrete in forms.

FIBRE TUBING IN ANY DIAMETER, LENGTH OR WEIGHT

THE ORIGINAL
Weather-Guard PLUS