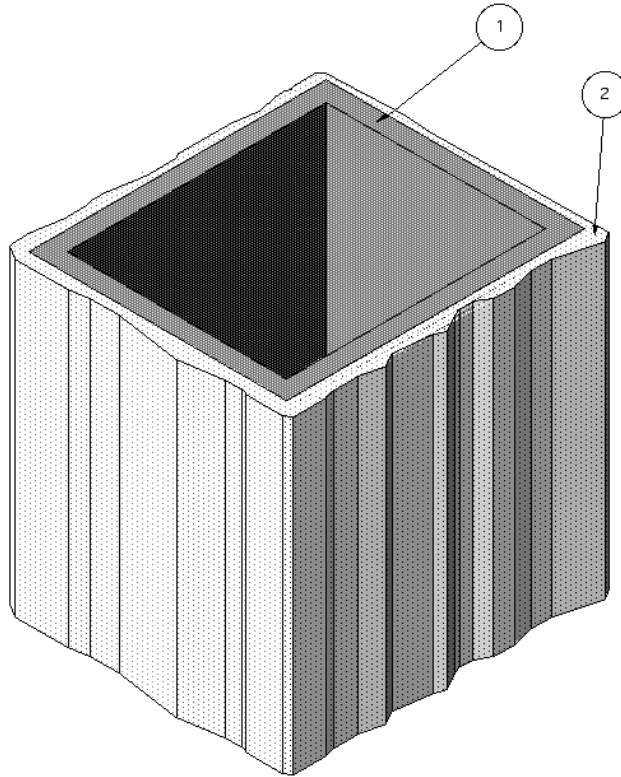


Design No. CC / CA 180-01 COLUMN
Carboline Company (Formerly Nu-Chem, Inc.) Fire-Sorb 1001 ASTM E119-98 Assembly Rating – 3 hr. or less



1. STEEL COLUMN: Tubular – Rectangular Hollow Shape.
2. FIRE-RESISTIVE COATING: Spray or paint in one or more coats according to the manufacturer's instructions. Thickness determined by table for desired rating and column. All designs with fire endurance ratings of 90 minutes (1-1/2 hr.) or more and with a thickness of 0.08 in. (2.0 mm) and greater require the use of a single, internal layer of HTF carbon fiber mesh

fabric, min. 1.03 ounces/yard. Apply mesh at mid depth of the coating up to max. 0.240 in. and for thicker coatings apply mesh at 0.120 in.

Listed Manufacturer:

*Carboline Company –
High-Performance Coatings
High-Performance Coating Systems
Fire-Sorb 1001*

Design No. CC / CA 180-01											
HP/A	W/D	60 min.		90 min.		120 min.		150 min.		180 min.	
1/m	lb./ft/in	mm	in	mm	in	mm	in	mm	in	mm	in
25	5.35	0.6	0.02	0.9	0.04	1.5	0.06	2.0	0.08	2.5	0.10
30	4.46	0.6	0.02	1.1	0.04	1.7	0.07	2.4	0.09	3	0.12
35	3.82	0.6	0.02	1.3	0.05	2.0	0.08	2.7	0.11	3.5	0.14
40	3.34	0.6	0.02	1.5	0.06	2.3	0.09	3.1	0.12	3.9	0.15
45	2.97	0.7	0.03	1.6	0.06	2.5	0.10	3.4	0.13	4.4	0.17
50	2.67	0.8	0.03	1.8	0.07	2.8	0.11	3.8	0.15	4.8	0.19
55	2.43	0.9	0.04	2.0	0.08	3.0	0.12	4.1	0.16	5.2	0.20
60	2.23	0.9	0.04	2.1	0.08	3.3	0.13	4.5	0.18	5.6	0.22
65	2.06	1.0	0.04	2.3	0.09	3.5	0.14	4.8	0.19	6.1	0.24
70	1.91	1.1	0.04	2.4	0.09	3.8	0.15	5.1	0.20	6.5	0.26
75	1.78	1.1	0.04	2.6	0.10	4.0	0.16	5.4	0.21	6.9	0.27
80	1.67	1.2	0.05	2.7	0.11	4.2	0.17	5.7	0.22	7.3	0.29
85	1.57	1.3	0.05	2.9	0.11	4.5	0.18	6.0	0.24	7.6	0.30
90	1.49	1.3	0.05	3.0	0.12	4.7	0.19	6.3	0.25	8.0	0.31
95	1.41	1.4	0.06	3.1	0.12	4.9	0.19				
100	1.34	1.5	0.06	3.3	0.13	5.1	0.20				
110	1.22	1.6	0.06	3.5	0.14	5.5	0.22				
120	1.11	1.7	0.07	3.8	0.15	5.9	0.23				
130	1.03	1.8	0.07	4.0	0.16	6.3	0.25				
140	0.95	1.9	0.07	4.3	0.17	6.7	0.26				
150	0.89	2.0	0.08	4.5	0.18	7.0	0.28				
160	0.84	2.1	0.08	4.7	0.19	7.4	0.29				
170	0.79	2.2	0.09								
180	0.74	2.3	0.09								