

Contego International, Inc.
Design No. CII/IF 120-01
Column

High Solids (HS) Reactive Fire Barrier (RFB) Intumescent
ASTM E119/UL263/CAN-ULC-S101
Assembly Rating: See Table CII/IF 120-01

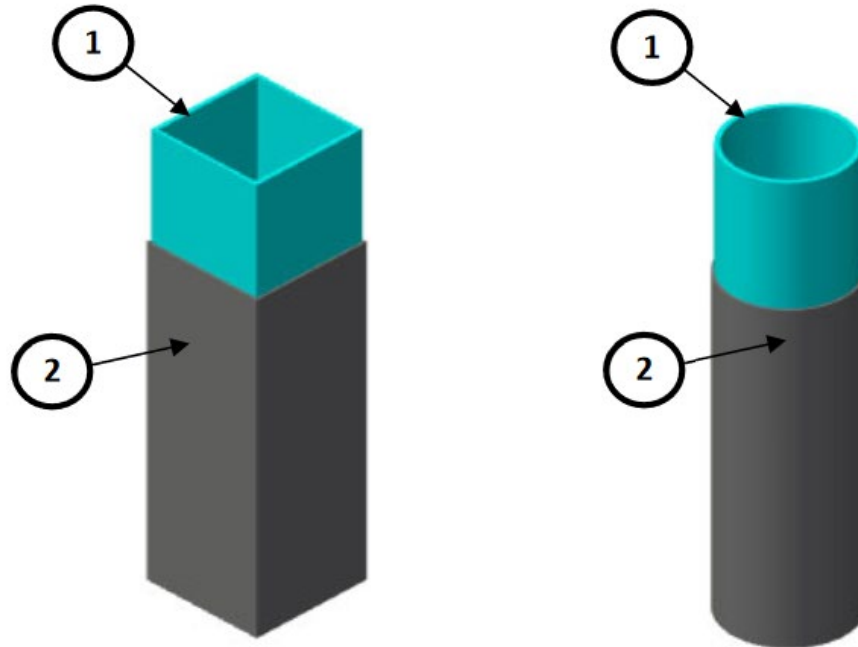


Figure 1

- HOLLOW RECTANGULAR OR CIRCULAR STRUCTURAL STEEL COLUMN:** Use hollow steel sections, rectangular or circular shape, having nominal H_p/A or W/D section factors based on four-sided exposure.
- FIRE RESISTIVE COATING:** Refer to Table CII/IF 120-01 for specific application thickness.

CERTIFIED MANUFACTURER: Contego International, Inc.

CERTIFIED PRODUCT: Fire Resistive Coating

CERTIFIED MODEL: High Solids (HS) Reactive Fire Barrier (RFB) Intumescent

APPLICATION: Blast and clean structural steel per the manufacturer's instructions. Apply 2-4 mils wet film thickness of Contego Rustex 710 primer (not shown) per the manufacturer's instructions. Apply High Solids (HS) Reactive Fire Barrier (RFB) Intumescent to primed steel to the required final dry coating thicknesses per the manufacturer's instructions.



Table CII/IF 120-01
Dry Coating Thickness and Fire Resistance Time in Minutes

Hp/A	W/D	A/P	60 min		90 min		120 min	
			mm	in.	mm	in.	mm	in.
65	2.06	0.606	1.73	0.068	2.46	0.097	3.63	0.143
70	1.91	0.563	1.73	0.068	2.57	0.101	3.81	0.15
75	1.79	0.525	1.73	0.068	2.69	0.106	3.96	0.156
80	1.67	0.492	1.73	0.068	2.79	0.11	4.14	0.163
85	1.58	0.463	1.73	0.068	2.92	0.115	4.32	0.17
90	1.49	0.438	1.78	0.07	3.05	0.12	4.47	0.176
95	1.41	0.414	1.83	0.072	3.15	0.124	4.65	0.183
100	1.34	0.394	1.88	0.074	3.28	0.129	4.80	0.189
105	1.28	0.375	1.93	0.076	3.38	0.133	4.98	0.196
110	1.22	0.358	1.98	0.078	3.51	0.138	5.16	0.203
115	1.16	0.342	2.03	0.08	3.63	0.143	5.31	0.209
120	1.12	0.328	2.08	0.082	3.73	0.147	5.49	0.216
125	1.07	0.315	2.13	0.084	3.86	0.152	5.64	0.222
130	1.03	0.303	2.18	0.086	3.96	0.156	5.82	0.229
135	0.99	0.292	2.26	0.089	4.09	0.161	5.99	0.236
140	0.96	0.281	2.31	0.091	4.22	0.166	6.15	0.242
145	0.92	0.272	2.36	0.093	4.32	0.17	6.32	0.249
150	0.89	0.263	2.41	0.095	4.45	0.175	6.50	0.256
155	0.86	0.254	2.46	0.097	4.55	0.179	6.65	0.262
160	0.84	0.246	2.51	0.099	4.67	0.184	6.83	0.269
165	0.81	0.239	2.57	0.101	4.80	0.189	6.99	0.275
170	0.79	0.232	2.62	0.103	4.90	0.193	7.16	0.282
175	0.77	0.225	2.67	0.105	5.03	0.198	7.34	0.289
180	0.74	0.219	2.72	0.107	5.13	0.202	7.49	0.295
185	0.72	0.213	2.77	0.109	5.26	0.207	7.67	0.302
190	0.71	0.207	2.84	0.112	5.38	0.212	7.82	0.308



Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.