
Sherwin-Williams Protective & Marine Coatings
Design No. SWC/IF 240-03
Column
FIRETEX™ FX9502
ASTM E119/CAN-ULC-S101
Assembly Rating: See Table SWC/IF 240-03

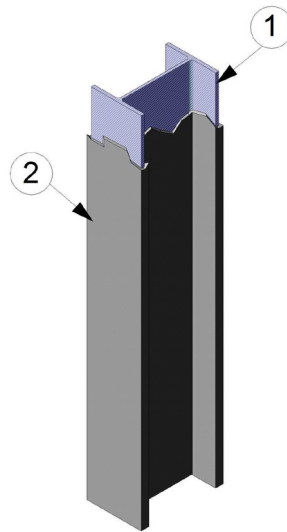


Figure 1

- 1. SOLID STRUCTURAL STEEL COLUMN:** Use solid steel sections, I-shape or W-shape, having nominal H_p/A , W/D , or A/P section factors based on four-sided exposure.
- 2. FIRE RESISTIVE COATING:** Refer to Table SWC/IF 240-03 for specific application thickness.

CERTIFIED MANUFACTURER: Sherwin-Williams Protective & Marine Coatings

CERTIFIED PRODUCT: Fire Resistive Coating

CERTIFIED MODEL: FIRETEX™ FX9502

APPLICATION: Blast and clean structural steel per the manufacturer's instructions. As an option, spray-apply Sherwin-Williams FIRETEX™ C69 Fast-Tack Blast Primer (not shown) per the manufacturer's instructions. Spray-apply FIRETEX™ FX9502 Fire Resistive Coating onto bare or primed steel to the required final thicknesses per manufacturer's instructions.



Table SWC/IF 240-03
Fire Resistance Time in Minutes

HP/A	W/D	60 min		90 min		120 min		150 min		180 min		210 min		240 min	
		1/m	lb./ft/in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
40	3.35	0.41	0.016	1.16	0.046	2.12	0.083	4.10	0.161	5.57	0.219	7.04	0.277	7.54	0.297
45	2.98	0.41	0.016	1.30	0.051	2.33	0.092	4.29	0.169	5.78	0.228	7.27	0.286	7.54	0.297
50	2.68	0.41	0.016	1.44	0.057	2.54	0.100	4.47	0.176	5.99	0.236	7.50	0.295	7.54	0.297
55	2.44	0.41	0.016	1.58	0.062	2.75	0.108	4.66	0.183	6.19	0.244	7.73	0.304	7.54	0.297
60	2.23	0.41	0.016	1.72	0.068	2.96	0.117	4.84	0.191	6.40	0.252	7.95	0.313	7.98	0.314
65	2.06	0.53	0.021	1.87	0.073	3.18	0.125	5.02	0.198	6.60	0.260	8.18	0.322	8.42	0.332
70	1.91	0.65	0.025	2.01	0.079	3.39	0.133	5.21	0.205	6.81	0.268	8.41	0.331	8.86	0.349
75	1.79	0.76	0.030	2.15	0.085	3.60	0.142	5.39	0.212	7.02	0.276	8.64	0.340	9.30	0.366
80	1.67	0.87	0.034	2.29	0.090	3.81	0.150	5.58	0.220	7.22	0.284	8.86	0.349	9.74	0.384
85	1.58	0.99	0.039	2.43	0.096	4.03	0.159	5.76	0.227	7.43	0.292	9.09	0.358	10.19	0.401
90	1.49	1.10	0.043	2.57	0.101	4.24	0.167	5.95	0.234	7.63	0.301	9.32	0.367	10.63	0.418
95	1.41	1.22	0.048	2.71	0.107	4.45	0.175	6.13	0.241	7.84	0.309	9.55	0.376	11.07	0.436
100	1.34	1.33	0.052	2.86	0.112	4.66	0.184	6.32	0.249	8.05	0.317	9.77	0.385	11.51	0.453
105	1.28	1.44	0.057	3.00	0.118	4.88	0.192	6.50	0.256	8.25	0.325	10.00	0.394	11.95	0.470
110	1.22	1.56	0.061	3.14	0.124	5.09	0.200	6.68	0.263	8.46	0.333	10.23	0.403	12.39	0.488
115	1.16	1.67	0.066	3.28	0.129	5.30	0.209	6.87	0.270	8.66	0.341	10.46	0.412	12.83	0.505
120	1.12	1.79	0.070	3.42	0.135	5.51	0.217	7.05	0.278	8.87	0.349	10.69	0.421	13.27	0.522
125	1.07	1.90	0.075	3.56	0.140	5.73	0.225	7.24	0.285	9.08	0.357	10.91	0.430	13.71	0.540
130	1.03	2.01	0.079	3.71	0.146	5.94	0.234	7.42	0.292	9.28	0.365	11.14	0.439	14.15	0.557
135	0.99	2.13	0.084	3.85	0.151	6.15	0.242	7.61	0.300	9.49	0.374	11.37	0.448	14.59	0.575
140	0.96	2.24	0.088	3.99	0.157	6.36	0.251	7.79	0.307	9.69	0.382	11.60	0.457	15.03	0.592
145	0.92	2.36	0.093	4.13	0.163	6.58	0.259	7.98	0.314	9.90	0.390	11.82	0.465	15.47	0.609
150	0.89	2.47	0.097	4.27	0.168	6.79	0.267	8.16	0.321	10.11	0.398	12.05	0.474	15.92	0.627
155	0.86	2.58	0.102	4.41	0.174	7.00	0.276	8.35	0.329	10.31	0.406	12.28	0.483	16.36	0.644
160	0.84	2.70	0.106	4.55	0.179	7.21	0.284	8.53	0.336	10.52	0.414	12.51	0.492	16.80	0.661
165	0.81	2.81	0.111	4.70	0.185	7.43	0.292	8.71	0.343	10.72	0.422	12.73	0.501	17.19	0.677
170	0.79	2.93	0.115	4.84	0.190	7.64	0.301	8.90	0.350	10.93	0.430	12.96	0.510	17.21	0.677
175	0.77	3.04	0.120	4.98	0.196	7.85	0.309	9.08	0.358	11.14	0.438	13.19	0.519	17.33	0.682
180	0.74	3.15	0.124	5.12	0.202	8.06	0.317	9.27	0.365	11.34	0.447	13.42	0.528	17.46	0.687
185	0.72	3.27	0.129	5.26	0.207	8.27	0.326	9.45	0.372	11.55	0.455	13.64	0.537	17.59	0.692
190	0.71	3.38	0.133	5.40	0.213	8.49	0.334	9.64	0.379	11.75	0.463	13.87	0.546	17.72	0.698
195	0.69	3.49	0.138	5.55	0.218	8.70	0.343	9.82	0.387	11.96	0.471	14.10	0.555	17.84	0.703
200	0.67	3.61	0.142	5.69	0.224	8.91	0.351	10.01	0.394	12.17	0.479	14.33	0.564	17.97	0.708
205	0.65	3.72	0.147	5.83	0.229	9.12	0.359	10.19	0.401	12.37	0.487	14.55	0.573	18.10	0.713
210	0.64	3.84	0.151	5.97	0.235	9.34	0.368	10.38	0.408	12.58	0.495	14.78	0.582	18.23	0.718
215	0.62	3.95	0.156	6.11	0.241	9.55	0.376	10.56	0.416	12.78	0.503	15.01	0.591	18.36	0.723
220	0.61	4.06	0.160	6.25	0.246	9.76	0.384	10.74	0.423	12.99	0.511	15.24	0.600	18.48	0.728
225	0.60	4.18	0.165	6.39	0.252	9.97	0.393	10.93	0.430	13.20	0.520	15.46	0.609	18.61	0.733



07 81 23 Intumescent Fireproofing

HP/A	W/D	60 min		90 min		120 min		150 min		180 min		210 min		240 min	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
230	0.58	4.29	0.169	6.54	0.257	10.19	0.401	11.11	0.438	13.40	0.528	15.69	0.618	18.74	0.738
235	0.57	4.41	0.173	6.68	0.263	10.40	0.409	11.30	0.445	13.61	0.536	15.92	0.627	18.87	0.743
240	0.56	4.52	0.178	6.82	0.268	10.61	0.418	11.48	0.452	13.81	0.544	16.15	0.636	18.99	0.748
245	0.55	4.63	0.182	6.96	0.274	10.82	0.426	11.67	0.459	14.02	0.552	16.37	0.645	19.12	0.753
250	0.54	4.75	0.187	7.10	0.280	11.04	0.434	11.85	0.467	14.23	0.560	16.60	0.654	19.25	0.758
255	0.53	4.86	0.191	7.24	0.285	11.25	0.443	12.04	0.474	14.43	0.568	16.83	0.663	19.38	0.763
260	0.52	4.98	0.196	7.39	0.291	11.46	0.451	12.22	0.481	14.64	0.576	17.06	0.671	19.51	0.768
265	0.51	5.09	0.200	7.53	0.296	11.67	0.460	12.41	0.488	14.84	0.584	17.28	0.680	19.63	0.773
270	0.50	5.20	0.205	7.67	0.302	11.89	0.468	12.59	0.496	15.05	0.593	17.51	0.689	19.76	0.778
275	0.49	5.32	0.209	7.81	0.307	12.10	0.476	12.77	0.503	15.26	0.601	17.74	0.698	19.89	0.783
280	0.48	5.43	0.214	7.95	0.313	12.31	0.485	12.96	0.510	15.46	0.609	17.97	0.707	20.02	0.788
285	0.47	5.55	0.218	8.09	0.319	12.52	0.493	13.14	0.517	15.67	0.617	18.19	0.716	20.14	0.793
290	0.46	5.66	0.223	8.23	0.324	12.74	0.501	13.33	0.525	15.87	0.625	18.42	0.725	20.27	0.798
295	0.45	5.77	0.227	8.38	0.330	12.95	0.510	13.51	0.532	16.08	0.633	18.65	0.734	20.40	0.803
300	0.45	5.89	0.232	8.52	0.335	13.16	0.518	13.70	0.539	16.29	0.641	18.88	0.743	20.53	0.808
305	0.44	6.00	0.236	8.66	0.341	13.37	0.526	13.88	0.547	16.49	0.649	19.10	0.752	20.66	0.813
310	0.43	6.12	0.241	8.80	0.346	13.58	0.535	14.07	0.554	16.70	0.657	19.33	0.761	20.78	0.818
315	0.43	6.17	0.243	8.85	0.348	13.61	0.536	14.10	0.555	16.72	0.658	19.35	0.762	20.91	0.823
320	0.42	6.23	0.245	8.90	0.350	13.64	0.537	14.13	0.556	16.75	0.659	19.36	0.762	21.04	0.828
325	0.41	6.29	0.248	8.95	0.352	13.67	0.538	14.16	0.558	16.77	0.660	19.38	0.763	21.08	0.830
330	0.41	6.35	0.250	8.99	0.354	13.70	0.540	14.20	0.559	16.80	0.661	19.40	0.764	21.11	0.831
335	0.40	6.41	0.252	9.04	0.356	13.73	0.541	14.23	0.560	16.82	0.662	19.41	0.764	21.16	0.833
340	0.39	6.47	0.255	9.09	0.358	13.76	0.542	14.26	0.561	16.85	0.663	19.43	0.765	21.21	0.835
345	0.39	6.53	0.257	9.14	0.360	13.79	0.543	14.29	0.563	16.87	0.664	19.45	0.766	21.25	0.837
350	0.38	6.58	0.259	9.19	0.362	13.82	0.544	14.33	0.564	16.90	0.665	19.46	0.766	21.30	0.839
355	0.38	6.64	0.262	9.24	0.364	13.85	0.545	14.36	0.565	16.92	0.666	19.48	0.767	21.35	0.841
360	0.37	6.70	0.264	9.28	0.366	13.88	0.547	14.39	0.567	16.94	0.667	19.50	0.768	21.40	0.842
365	0.37	6.76	0.266	9.33	0.367	13.91	0.548	14.42	0.568	16.97	0.668	19.52	0.768	21.45	0.844
370	0.36	6.82	0.268	9.38	0.369	13.94	0.549	14.46	0.569	16.99	0.669	19.53	0.769	21.49	0.846
375	0.36	6.88	0.271	9.43	0.371	13.97	0.550	14.49	0.570	17.02	0.670	19.55	0.770	21.54	0.848
380	0.35	6.93	0.273	9.48	0.373	14.00	0.551	14.52	0.572	17.04	0.671	19.57	0.770	21.59	0.850
385	0.35	6.99	0.275	9.53	0.375	14.03	0.552	14.55	0.573	17.07	0.672	19.58	0.771	21.64	0.852
390	0.34	7.05	0.278	9.57	0.377	14.06	0.554	14.59	0.574	17.09	0.673	19.60	0.772	21.68	0.854
395	0.34	7.11	0.280	9.62	0.379	14.09	0.555	14.62	0.576	17.12	0.674	19.62	0.772	21.73	0.856
400	0.33	7.17	0.282	9.67	0.381	14.12	0.556	14.65	0.577	17.14	0.675	19.63	0.773	21.78	0.858
405	0.33	7.23	0.285	9.72	0.383	14.15	0.557	14.68	0.578	17.17	0.676	19.65	0.774	21.83	0.859
410	0.33	7.29	0.287	9.77	0.385	14.18	0.558	14.72	0.579	17.19	0.677	19.67	0.774	21.88	0.861
415	0.32	7.34	0.289	9.82	0.386	14.21	0.560	14.75	0.581	17.22	0.678	19.68	0.775	21.92	0.863
420	0.32	7.40	0.291	9.86	0.388	14.24	0.561	14.78	0.582	17.24	0.679	19.70	0.776	21.97	0.865
425	0.32	7.47	0.294	9.92	0.390	14.27	0.562	14.82	0.583	17.27	0.680	19.72	0.776	22.02	0.867



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.