



CERTIFICATE OF APPROVAL No CF 384

This is to certify that, in accordance with TS00 General Requirements for Certification of Fire Protection Products
The undermentioned products of

SHERWIN WILLIAMS PROTECTIVE AND MARINE

Tower Works, Kestor Street, Bolton, UK, BL2 2AL Tel: 01204 521771

Have been assessed against the requirements of the Technical Schedule(s) denoted below and are approved for use subject to the conditions appended hereto:

CERTIFIED PRODUCT

Firetex FX7000 Firetex FX8000 TECHNICAL SCHEDULE
TS15 Intumescent Coatings for
Steelwork

Signed and sealed for and on behalf of Exova (UK) Limited trading as Warrington Certification

Sir Ken Knight
Chairman
Impartiality Committee

Paul Duggan
Certification Manager



Issued: 13th January 2006 Reissued: 31st January 2017 Valid to: 30th June 2019

Page 1 of 15







Firetex FX7000/FX8000

- This approval relates to the use of Firetex FX7000 and FX8000 for the fire protection of I-shaped and hollow steel sections. The precise scope is given in Tables 1 to 5 which show the total dry film thickness of Firetex FX7000 and FX8000 (excluding primer and top sealer) required to provide fire resistance periods in accordance with BS476: Part 21: 1987 of 30 minutes up to 120 minutes for differing sections and section factors.
- 2. This certification is designed to demonstrate compliance of the product or system specifically with Approved Document B (England and Wales), Section 2 of the Technical Standards (Scotland), Technical Booklet E (N. Ireland). If compliance is required to other regulatory or guidance documents there may be additional considerations or conflict to be taken into account.'
- 3. The products are approved on the basis of:
 - i) Initial type testing.
 - ii) A design appraisal against TS15.
 - iii) Certification of quality management system to ISO 9001: 2008.
 - iv) Inspection and surveillance of factory production control
 - v) Audit testing
- 4. The data referring to three-sided fire exposure of beams relate to beams supporting concrete floor slabs. Separate consideration is required where this is not the case.
- 5. The data shown are applicable to steel sections blast cleaned to ISO 8501-1 SA2¹/₂ or equivalent and primed with a suitable and compatible primer. Specifications of surface preparations, primers and top sealers is available from Sherwin-Williams/Leighs Paints whose responsibility is to ensure that Firetex FX7000 and FX8000 is compatible for use in respect of both ambient and fire conditions. The total dry film thickness of primer should not exceed that tested.
- 6. The data shown is applicable to Firetex FX7000 and FX8000 applied by spray to horizontal, vertical, flexural and compression members supporting loads up to the maximum design loads specified in BS449: Part 2. For other design temperatures see manufacturer for details.
- 7. The approval relates to on going production. Product and/or its immediate packaging is identified with the manufacturers' name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.
- 8. The data shown in the tables are based on assessments which comply with the criteria for acceptability now incorporated within the Certifire scheme.

Page 2 of 15 Signed E/038

top fol agg-





Firetex FX7000/FX8000

Table 1

	I-Section Beams (3-Sided protection): 620°C											
30 mi	inutes		45 mi	nutes		60 minutes						
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm			
330	0.300	135	0.300	235	0.624	70	0.300	205	1.023			
		140	0.316	240	0.632	75	0.314	210	1.046			
		145	0.339	245	0.639	80	0.355	215	1.081			
		150	0.363	250	0.647	85	0.396	220	1.134			
		155	0.386	255	0.654	90	0.437	225	1.186			
		160	0.410	260	0.662	95	0.478	230	1.239			
		165	0.433	265	0.669	100	0.519	235	1.292			
		170	0.457	270	0.677	105	0.560	240	1.345			
		175	0.480	275	0.684	110	0.583	245	1.397			
		180	0.504	280	0.692	115	0.606	250	1.450			
		185	0.527	285	0.699	120	0.629	255	1.750			
		190	0.551	290	0.707	125	0.653	260	2.050			
		195	0.564	295	0.714	130	0.676	265	2.235			
		200	0.572	300	0.722	135	0.699	270	2.248			
		205	0.579	305	0.729	140	0.722	275	2.260			
		210	0.587	310	0.737	145	0.745	280	2.273			
		215	0.594	315	0.744	150	0.768	285	2.286			
		220	0.602	320	0.752	155	0.791	290	2.298			
		225	0.609	325	0.759	160	0.815	295	2.311			
		230	0.617	330	0.767	165	0.838	300	2.323			
						170	0.861	305	2.336			
						175	0.884	310	2.349			
						180	0.907	315	2.361			
						185	0.930	320	2.374			
						190	0.954	325	2.386			
						195	0.977	330	2.399			
						200	1.000					

Thickness is intumescent only. Beams to include a concrete slab.

Page 3 of 15 Signed E/038

Al ligge





Firetex FX7000/FX8000

Table 1 continued

	I-Section Beams (3-Sided protection): 620°C										
	75 mi	nutes		90 minutes							
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm				
45	0.300	190	1.502	35	0.300	185	2.311				
50	0.330	195	1.762	40	0.383	190	2.334				
55	0.391	200	2.022	45	0.463	195	2.356				
60	0.451	205	2.233	50	0.544	200	2.379				
65	0.512	210	2.250	55	0.625	205	2.401				
70	0.569	215	2.266	60	0.705	210	2.424				
75	0.614	220	2.283	65	0.786	215	2.446				
80	0.658	225	2.299	70	0.866	220	2.469				
85	0.703	230	2.316	75	0.947	225	2.491				
90	0.748	235	2.332	80	1.028	230	2.533				
95	0.792	240	2.349	85	1.078	235	2.589				
100	0.837	245	2.365	90	1.108	240	2.644				
105	0.881	250	2.381	95	1.138	245	2.700				
110	0.926	255	2.398	100	1.168	250	2.756				
115	0.971	260	2.414	105	1.198	255	2.811				
120	1.015	265	2.431	110	1.228	260	2.867				
125	1.060	270	2.447	115	1.258	265	2.922				
130	1.090	275	2.464	120	1.288	270	2.978				
135	1.121	280	2.480	125	1.318	275	3.033				
140	1.151	285	2.497	130	1.348	280	3.089				
145	1.182	290	2.534	135	1.378	285	3.144				
150	1.212	295	2.577	140	1.408	290	3.200				
155	1.243	300	2.619	145	1.438	295	3.256				
160	1.273	305	2.662	150	1.567	300	3.311				
165	1.304	310	2.704	155	1.762	305	3.367				
170	1.334	315	2.747	160	1.957	310	3.422				
175	1.365	320	2.789	165	2.152	315	3.478				
180	1.395	325	2.832	170	2.244	320	3.533				
185	1.426	330	2.874	175	2.266	325	3.589				
				180	2.289	330	3.644				

Thickness is intumescent only. Beams to include a concrete slab.

Page 4 of 15 Signed E/038

Signed KIM

the fel ligger





Firetex FX7000/FX8000

Table 1 continued

	I-Section Beams (3-Sided protection): 620°C											
	105 m	inutes		120 minutes								
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm					
25	0.300	155	2.329	30	0.504	130	2.280					
30	0.351	160	2.365	35	0.631	135	2.353					
35	0.455	165	2.401	40	0.810	140	2.427					
40	0.560	170	2.436	45	0.989	145	2.500					
45	0.692	175	2.472	50	1.104	150	2.583					
50	0.823	180	2.514	55	1.178	155	2.667					
55	0.955	185	2.583	60	1.251	160	2.750					
60	1.067	190	2.652	65	1.324	165	2.833					
65	1.103	195	2.721	70	1.398	170	2.917					
70	1.138	200	2.790	75	1.471	175	3.000					
75	1.173	205	2.859	80	1.545	180	3.083					
80	1.209	210	2.928	85	1.618	185	3.167					
85	1.244	215	2.997	90	1.692	195	3.333					
90	1.280	220	3.066	95	1.765	200	3.417					
95	1.315	225	3.134	100	1.839	205	3.500					
100	1.351	230	3.203	105	1.912	210	3.583					
105	1.386	235	3.272	110	1.986	215	3.667					
110	1.422	240	3.341	115	2.059	220	3.750					
115	1.479	245	3.410	120	2.133	225	3.833					
120	1.623	250	3.479	125	2.206	230	3.917					
125	1.768	255	3.548									
130	1.912	260	3.617									
135	2.057	265	3.686									
140	2.201	270	3.755									
145	2.258	275	3.824									
150	2.294	280	3.893									

Thickness is intumescent only. Beams to include a concrete slab.

Page 5 of 15 Signed

E/038

the fel byg-





Firetex FX7000/FX8000

Table 2

	I-Section Columns and Beams (4-Sided protection): 550°C											
30 mi	inutes		45 mii	nutes		60 minutes						
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm			
275	0.295	75	0.295	205	0.439	45	0.295	190	0.675			
280	0.298	80	0.301	210	0.445	50	0.306	195	0.685			
285	0.304	85	0.306	215	0.450	55	0.327	200	0.694			
290	0.309	90	0.312	220	0.456	60	0.349	205	0.704			
295	0.314	95	0.317	225	0.461	65	0.370	210	0.713			
300	0.320	100	0.323	230	0.467	70	0.391	215	0.723			
305	0.325	105	0.329	235	0.472	75	0.412	220	0.733			
310	0.330	110	0.334	240	0.478	80	0.434	225	0.742			
315	0.336	115	0.340	245	0.483	85	0.455	230	0.752			
320	0.341	120	0.345	250	0.489	90	0.476	235	0.761			
325	0.346	125	0.351	255	0.493	95	0.493	240	0.771			
330	0.352	130	0.356	260	0.497	100	0.502	245	0.781			
		135	0.362	265	0.501	105	0.512	250	0.790			
		140	0.367	270	0.505	110	0.522	255	0.800			
		145	0.373	275	0.509	115	0.531	260	0.809			
		150	0.378	280	0.513	120	0.541	265	0.819			
		155	0.384	285	0.516	125	0.550	270	0.829			
		160	0.389	290	0.520	130	0.560	275	0.838			
		165	0.395	295	0.524	135	0.570	280	0.848			
		170	0.400	300	0.528	140	0.579	285	0.857			
		175	0.406	305	0.532	145	0.589	290	0.867			
		180	0.412	310	0.536	150	0.598	295	0.877			
		185	0.417	315	0.540	155	0.608	300	0.886			
		190	0.423	320	0.544	160	0.618	305	0.896			
		195	0.428	325	0.548	165	0.627	310	0.905			
		200	0.434	330	0.552	170	0.637	315	0.915			
					•	175	0.646	320	0.925			
						180	0.656	325	0.934			
						185	0.666	330	0.944			

Thickness is intumescent only.

Page 6 of 15 Signed E/038

When Pel Bagg





certifire

CERTIFICATE No CF 384 SHERWIN WILLIAMS PROTECTIVE AND MARINE

Firetex FX7000/FX8000

Table 2 continued

	I-Section Columns and Beams (4-Sided protection): 550°C											
	75 mi	nutes		90 minutes								
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm					
30	0.295	180	1.336	25	0.295	150	2.251					
35	0.302	185	1.378	30	0.365	155	2.330					
40	0.354	190	1.420	35	0.468	160	2.409					
45	0.406	195	1.461	40	0.548	165	2.489					
50	0.458	200	1.503	45	0.622	170	2.568					
55	0.501	205	1.545	50	0.695	175	2.647					
60	0.532	210	1.586	55	0.769	180	2.726					
65	0.563	215	1.628	60	0.842	185	2.806					
70	0.593	220	1.670	65	0.916	190	2.885					
75	0.624	225	1.711	70	0.990	195	2.964					
80	0.655	230	1.753	75	1.063	200	3.055					
85	0.685	235	1.997	80	1.141	205	3.149					
90	0.716	240	2.543	85	1.221	210	3.243					
95	0.747	245	2.995	90	1.300	215	3.336					
100	0.777	250	3.072	95	1.379	220	3.430					
105	0.808	255	3.148	100	1.458	225	3.524					
110	0.839	260	3.224	105	1.538	230	3.618					
115	0.869	265	3.300	110	1.617	235	3.711					
120	0.900	270	3.377	115	1.696	240	3.805					
125	0.931	275	3.453	120	1.775	245	3.899					
130	0.961	280	3.529	125	1.855	250	3.993					
135	0.992	285	3.605	130	1.934	255	4.086					
140	1.023	290	3.682	135	2.013	260	4.180					
145	1.053	295	3.758	140	2.092	265	4.274					
150	1.086	300	3.834	145	2.172							
155	1.128	305	3.911									
160	1.170	310	3.987									
165	1.211	315	4.063									
170	1.253	320	4.139									
175	1.295	325	4.216									

Thickness is intumescent only. Beams up to protection thickness of 3.920mm.

Page 7 of 15 Signed

E/038

Elle fol Regg-





Firetex FX7000/FX8000

Table 2 continued

I-Se	I-Section Columns and Beams (4-Sided protection): 550°C										
	105 m	inutes		120 r	minutes						
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm						
35	0.970	130	2.403	30	0.970						
40	1.000	135	2.481	35	1.061						
45	1.078	140	2.559	40	1.147						
50	1.156	145	2.637	45	1.234						
55	1.234	150	2.715	50	1.320						
60	1.312	155	2.793	55	1.407						
65	1.390	160	2.871	60	1.493						
70	1.468	165	2.949	65	1.579						
75	1.546	170	3.053	70	1.666						
80	1.624	175	3.175	75	1.752						
85	1.702	180	3.296	80	1.839						
90	1.780	185	3.418	85	1.925						
95	1.858	190	3.539	90	2.012						
100	1.935	195	3.661	95	2.098						
105	2.013	200	3.783	100	2.185						
110	2.091	205	3.904	105	2.271						
115	2.169	210	4.026	110	2.358						
120	2.247	215	4.148	115	2.444						
125	2.325			120	2.530						
				125	2.617						
				130	2.703						
				135	2.790						
				140	2.876						
				145	2.963						
				150	3.096						
				155	3.241						
				160	3.386						
				165	3.532						
				170	3.677						
				175	3.822						
				180	3.967						
				185	4.112						

Thickness is intumescent only. Beams up to protection thickness of 3.950mm.

Page 8 of 15 Signed E/038

top for hard





Firetex FX7000/FX8000

Table 3

	Hollow Rectangular Columns (4-Sided protection): 520°C										
	30 mi	nutes		45 minutes							
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm				
155	0.531	245	1.308	90	0.531	215	2.523				
160	0.550	250	1.353	95	0.548	220	2.607				
165	0.594	255	1.397	100	0.630	225	2.687				
170	0.639	260	1.442	105	0.712	230	2.767				
175	0.684	265	1.487	110	0.793	235	2.846				
180	0.728	270	1.531	115	0.875	240	2.925				
185	0.773	275	1.576	120	0.956	245	3.004				
190	0.817	280	1.620	125	1.038	250	3.083				
195	0.862	285	1.665	130	1.119	255	3.162				
200	0.907	290	1.708	135	1.201	260	3.241				
205	0.951	295	1.750	140	1.283	265	3.320				
210	0.996	300	1.793	145	1.364	270	3.400				
215	1.040	305	1.835	150	1.446	275	3.479				
220	1.085	310	1.877	155	1.527	280	3.558				
225	1.130	315	1.920	160	1.609	285	3.637				
230	1.174	320	1.962	165	1.691	290	3.716				
235	1.219	325	2.004	170	1.774	295	3.795				
240	1.264	330	2.047	175	1.857	300	3.874				
				180	1.940	305	3.953				
				185	2.024	310	4.033				
				190	2.107	315	4.112				
				195	2.190	320	4.191				
				200	2.274	325	4.270				
				205	2.357	330	4.349				
				210	2.440						

Thickness is intumescent only.

Page 9 of 15 Signed E/038

Al ligger





Firetex FX7000/FX8000

Table 3 continued

	Hollow Rectangular Columns (4-Sided protection): 520°C											
60 mi	60 minutes		75 minutes		90 minutes		inutes	120 minutes				
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm			
65	0.531	45	0.531	60	1.264	55	2.376	35	2.376			
70	0.655	50	0.535	65	1.302	60	2.424	40	2.460			
75	0.779	55	0.693	70	1.674	65	2.784	45	2.760			
80	0.903	60	0.851	75	2.046	70	3.144	50	3.060			
85	1.028	65	1.010	80	2.417	75	3.504	55	3.360			
90	1.152	70	1.168	85	2.747	80	3.864	60	3.660			
95	1.276	75	1.326	90	3.013	85	4.224	65	3.960			
100	1.401	80	1.484	95	3.280			70	4.260			
105	1.525	85	1.642	100	3.547							
110	1.649	90	1.829	105	3.813							
115	1.764	95	2.022	110	4.080							
120	1.876	100	2.215	115	4.347							
125	1.989	105	2.408		•							
130	2.101	110	2.601									
135	2.213	115	2.809									
140	2.325	120	3.021									
145	2.438	125	3.233									
150	2.550	130	3.445									
155	2.669	135	3.656									
160	2.813	140	3.868									
165	2.957	145	4.080									
170	3.101	150	4.292									
175	3.245	155	4.504									
180	3.389											
185	3.533											
190	3.677											
195	3.821											
200	3.965											
205	4.109											
210	4.253											
215	4.397											
220	4.541											

Thickness is intumescent only.

Page 10 of 15 Signed When Pl Aggre E/038





Firetex FX7000/FX8000

Table 4

	Circ	ular Hollo	ow Column	s (Fully E	xposed): 5	20°C		
	30 mi	nutes		45 minutes				
Section Factor up to m ⁻¹	Thickness mm							
110	0.455	225	1.284	60	0.455	200	1.860	
115	0.476	230	1.321	65	0.461	205	1.893	
120	0.512	235	1.358	70	0.534	210	1.927	
125	0.549	240	1.383	75	0.607	215	1.960	
130	0.586	245	1.392	80	0.680	220	1.993	
135	0.623	250	1.400	85	0.753	225	2.027	
140	0.659	255	1.409	90	0.826	230	2.060	
145	0.696	260	1.417	95	0.899	235	2.093	
150	0.733	265	1.426	100	0.972	240	2.127	
155	0.770	270	1.434	105	1.045	245	2.160	
160	0.806	275	1.443	110	1.118	250	2.193	
165	0.843	280	1.451	115	1.190	255	2.227	
170	0.880	285	1.460	120	1.263	260	2.260	
175	0.917	290	1.468	125	1.336	265	2.285	
180	0.954	295	1.477	130	1.393	270	2.297	
185	0.990	300	1.485	135	1.427	275	2.310	
190	1.027	305	1.494	140	1.460	280	2.322	
195	1.064	310	1.502	145	1.493	285	2.334	
200	1.101	315	1.511	150	1.527	290	2.347	
205	1.137	320	1.519	155	1.560	295	2.359	
210	1.174	325	1.527	160	1.593	300	2.371	
215	1.211	330	1.536	165	1.627	305	2.384	
220	1.248			170	1.660	310	2.396	
				175	1.693	315	2.408	
				180	1.727	320	2.421	
				185	1.760	325	2.433	
				190	1.793	330	2.445	
				195	1.827			

Thickness is intumescent only.

Page 11 of 15 Signed What Plager E/038





Firetex FX7000/FX8000

Table 4 continued

Circular Hollow Columns (Fully Exposed): 520°C										
	60 mi	nutes		75 minutes						
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm					
80	1.242	210	2.884	60	1.242					
85	1.295	215	2.929	65	1.298					
90	1.380	220	2.974	70	1.503					
95	1.465	225	3.019	75	1.707					
100	1.550	230	3.064	80	1.912					
105	1.635	235	3.109	85	2.116					
110	1.720	240	3.154	90	2.301					
115	1.805	245	3.199	95	2.407					
120	1.889	250	3.244	100	2.513					
125	1.974	255	3.289	105	2.619					
130	2.059	260	3.334	110	2.724					
135	2.144	265	3.379	115	2.830					
140	2.229	270	3.424	120	2.936					
145	2.298	275	3.469	125	3.042					
150	2.343	280	3.514	130	3.148					
155	2.388	285	3.559	135	3.253					
160	2.433	290	3.604	140	3.359					
165	2.478	295	3.650	145	3.465					
170	2.523	300	3.695	150	3.571					
175	2.568	305	3.740	155	3.677					
180	2.613	310	3.785	160	3.783					
185	2.658	315	3.830	165	3.888					
190	2.703	320	3.875	170	3.994					
195	2.749	325	3.920	175	4.100					
200	2.794	330	3.965	180	4.206					
205	2.839									

Thickness is intumescent only.

Page 12 of 15 Signed All Regarders E/038





Firetex FX7000/FX8000

Table 4 continued

Circu	Circular Hollow Columns (Fully Exposed): 520°C										
90 mi	nutes	105 m	inutes	120 minutes							
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm						
45	1.242	35	1.242	35	2.052						
50	1.380	40	1.462	40	2.166						
55	1.701	45	1.871	45	2.735						
60	2.023	50	2.280	50	3.304						
65	2.320	55	2.630	55	3.873						
70	2.523	60	2.980								
75	2.725	65	3.330								
80	2.927	70	3.680								
85	3.129	75	4.030								
90	3.332										
95	3.534										
100	3.736										
105	3.938										
110	4.140										

Thickness is intumescent only.

Page 13 of 15 Signed All Page F/038 E/038





Firetex FX7000/FX8000

Table 5

	Recta	ngular Hol	low Beams	(3-Sided p	rotection):	620°C	
30 m	inutes	45 m	inutes	60 m	inutes	75 m	inutes
Section Factor up to m ⁻¹	Thickness mm						
205	0.257	120	0.257	80	0.257	60	0.257
210	0.258	125	0.332	85	0.306	65	0.285
215	0.303	130	0.411	90	0.409	70	0.435
220	0.347	135	0.489	95	0.512	75	0.585
225	0.392	140	0.568	100	0.615	80	0.713
230	0.437	145	0.648	105	0.733	85	0.834
235	0.481	150	0.732	110	0.852	90	0.956
240	0.526	155	0.815	115	0.970	95	1.078
245	0.570	160	0.899	120	1.088	100	1.200
250	0.615	165	0.982	125	1.206	105	1.322
255	0.658	170	1.065	130	1.325	110	1.444
260	0.701	175	1.149	135	1.443	115	1.566
265	0.744	180	1.232	140	1.561	120	1.688
270	0.786	185	1.316	145	1.680	125	1.810
275	0.829	190	1.399	150	1.798	130	1.932
280	0.872	195	1.483	155	1.916	135	2.054
285	0.915	200	1.566	160	2.034	140	2.176
290	0.958	205	1.649	165	2.153		
295	1.001	210	1.733				
300	1.043	215	1.816				
305	1.086	220	1.900				
310	1.129	225	1.983				
315	1.172	230	2.067				
320	1.215	235	2.150				
325	1.258	240	2.233				
330	1.300						

Thickness is intumescent only. Beams to include a concrete slab.

Page 14 of 15 Signed When Pl Agg

E/038





Firetex FX7000/FX8000

Table 5 continued

Rectangular Hollow Beams (3-Sided protection): 620°C					
90 minutes		105 minutes		120 minutes	
Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm	Section Factor up to m ⁻¹	Thickness mm
50	0.257	40	0.257	105	2.200
55	0.358	45	0.285		
60	0.542	50	0.428		
65	0.690	55	0.571		
70	0.816	60	0.714		
75	0.942	65	0.857		
80	1.068	70	1.000		
85	1.194	75	1.142		
90	1.319	80	1.285		
95	1.445	85	1.428		
100	1.571	90	1.571		
105	1.697	95	1.714		
110	1.823	100	1.857		
115	1.948	105	2.000		
120	2.074	110	2.143		
125	2.200				

Thickness is intumescent only. Beams to include a concrete slab.

Page 15 of 15 Signed When I have

E/038