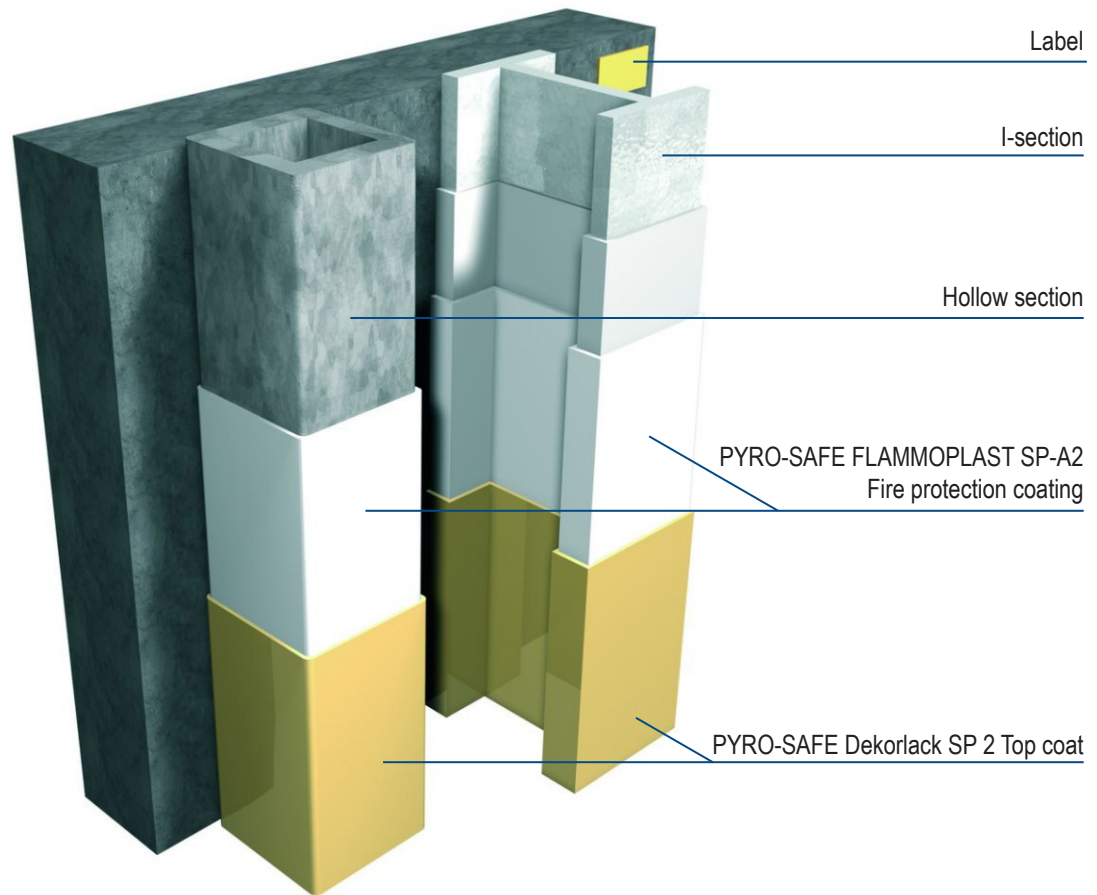


# PYRO-SAFE Flammoplast SP-A2

Water-based reactive fire protection system for structural steel.

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## System description

### Applications

Fire protection system for columns, beams and truss (massive and hollow profiles) made of steel (further Information on request). To be used indoor and in roofed halls.

### Characteristics

Universal applicable intumescent water based coating, non toxic, solvent-free.

### Retrofitting

Touch up possible at any time.

### Particular points to note

Installation and handling permitted only in accordance with the approval, the installation instruction/technical drawings and trained specialists!

### Handling

PYRO-SAFE FLAMMOPLAST SP-A2 can be applied with a brush, roller or airless spraying gun.

### Fire protection features

up to 90 minutes preserving the carrying capacity

### Applicability certificate

Tested and approved according to national and international standards as e.g.:  
EN 13381-4, GOST, CSN  
other standards on request

Coatings

### Example for necessary dry film thicknesses

Depending on the section factor and the section of the component to be coated for a fire resistance duration of 30 minutes with a critical steel temperature ( $T_{Kr}$ ) of 500/550 °C.

Section factor [m <sup>-1</sup> ]	Open sections		Hollow sections				
	H and I		O		□		
	$T_{Kr}$ 500 °C	$T_{Kr}$ 550 °C	$T_{Kr}$ 500 °C	$T_{Kr}$ 550 °C	$T_{Kr}$ 500 °C	$T_{Kr}$ 550 °C	
≤ 50	0.220	0.220	0.209	0.209	0.250	0.205	
55			0.207				
60			0.257				
65			0.304				
70			0.351	0.202	0.352	0.231	
75			0.396	0.239	0.387	0.259	
80			0.441	0.276	0.421	0.287	
85			0.222	0.484	0.313	0.454	0.315
90			0.233	0.525	0.348	0.486	0.342
95			0.244	0.566	0.382	0.517	0.368
100	0.255	0.606	0.416	0.548	0.393		
105	0.265	0.645	0.449	0.578	0.418		
110	0.276	0.225	0.683	0.482	0.607	0.443	
115	0.287	0.233	0.720	0.513	0.635	0.467	
120	0.297	0.241	0.756	0.544	0.663	0.490	
125	0.308	0.248	0.791	0.575	0.690	0.513	
130	0.319	0.256	0.826	0.604	0.717	0.536	
135	0.330	0.263	0.860	0.634	0.743	0.557	
140	0.340	0.271	0.893	0.662	0.768	0.579	
145	0.351	0.278	0.925	0.690	0.793	0.600	
150	0.362	0.286	0.956	0.718	0.818	0.621	
155	0.373	0.293	0.987	0.745	0.841	0.641	
160	0.383	0.301	1.017	0.771	0.865	0.661	
165	0.394	0.309	1.047	0.797	0.888	0.680	
170	0.405	0.316	1.076	0.822	0.910	0.699	
175	0.415	0.324	1.104	0.847	0.932	0.718	
180	0.426	0.331	1.131	0.872	0.953	0.736	
185	0.437	0.339	1.159	0.896	0.974	0.754	
190	0.448	0.346	1.185	0.919	0.995	0.772	
195	0.458	0.354	1.211	0.942	1.015	0.789	
200	0.469	0.361	1.237	0.965	1.035	0.806	
205	0.480	0.369	1.262	0.988	1.054	0.822	
210	0.490	0.377	1.286	1.009	1.073	0.839	
215	0.501	0.384		1.031	1.092	0.855	
220	0.512	0.392		1.052	1.110	0.871	
225	0.523	0.399		1.073	1.128	0.886	
230	0.533	0.407		1.094	1.146	0.901	
235	0.544	0.414		1.114	1.163	0.916	
240	0.554	0.422		1.133	1.180	0.931	
245	0.560	0.429		1.153	1.197	0.945	
250	0.568	0.437		1.172	1.214	0.960	
255	0.573	0.445		1.191	1.230	0.974	
260	0.578	0.452		1.209	1.246	0.987	
265	0.583	0.460		1.228	1.261	1.001	
270	0.587	0.467		1.246	1.277	1.014	
275	0.591	0.475		1.263		1.027	
280	0.595	0.482		1.281		1.040	
285	0.599	0.490		1.298		1.042	
290	0.603	0.497					
295	0.607	0.505					
300	0.611	0.512					
305	0.615	0.520					
310	0.619	0.528					
315	0.623	0.535					
320	0.627	0.543					
325	0.631	0.553					
330	0.635	0.563					
335	0.639	0.574					
340	0.643	0.585					
345	0.647	0.596					
350	0.651	0.607					
355	0.655	0.618					

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This table is an example only. Data with other parameters can be found in ETA-17/0394.

Dimensions in mm

### Components

- PYRO-SAFE FLAMMOPLAST SP-A2
- PYRO-SAFE Dekorlack SP 2
- Label

