



TIKKURILA

FONTEFIRE ST 60

Intumescent fire protection for steelwork

Fontefire ST 60 is a water-borne, one-component intumescent paint formulated for the fire protection of structural interior steel elements.

Its protecting effect is based on a strong heat-expansion binding reaction that results in the creation of an insulating foam layer. Even a thin film thickness provides excellent fire protection properties.

- For structural steel elements in internal conditions according to ETAG 018-2 Type Z₂
- Competitive film thickness
- For various sizes of structural steel "H" and "I" shaped beam and column sections with a fire resistance classification of up to R60
- For circular and rectangular/square hollow columns with a fire resistance classification of up to R90
- For design temperatures within a range of 350°C to 750°C
- CE marked (ETA 15/0442)
- Very low VOC content (17 g / liter)



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Fire protection paint is used as part of a painting system, together with primer and topcoat.

APPROVED PRIMERS

Product	Description	Film thickness
Fontecryl AP	A water-borne, fast-drying one-component acrylic-based primer containing active anti-corrosive pigments.	40 µm
Fontecoat EP 50	A water-borne, two-component epoxy topcoat and a single-coat paint.	60 µm
Temaprime EUR	A fast-drying, one-component, anti-corrosive alkyd primer.	40 µm
Temacoat GPL-S Primer	A two-component, polyamide-cured, high-build epoxy primer containing zinc phosphate.	60 µm
Temacoat Primer	A two-component, resin-modified epoxy paint containing anti-corrosive pigments.	60 µm

APPROVED TOPCOATS

Product	Description	Film thickness
Nova 20	A water-borne, solvent-free semi-matt dispersion paint for professional interior painting of walls and ceilings.	approx. 50-60 µm
Fontecryl SC 50	A water-borne, one-component, fast-drying, alkyd modified acrylic paint which contains active anti-corrosive pigments.	approx. 50-60 µm
Temadur 50	A two-component, semi-gloss, polyurethane paint, hardener aliphatic isocyanate.	approx. 50-60 µm
Temalac FD 50	A fast-drying, one-component, semi-gloss alkyd topcoat, containing anti-corrosive pigments.	approx. 50-60 µm

CONSUMPTION AND COVERAGE

Amount	Examples of recommended		Theoretical coverage	
	dry mm	wet mm	l/m ²	m ² /l
g/m ²				
389	0.2	0.28	0.28	3.6
486	0.25	0.38	0.35	2.9
583	0.3	0.47	0.42	2.4
681	0.35	0.49	0.49	2.1
778	0.4	0.56	0.56	1.8
875	0.45	0.63	0.63	1.6
972	0.5	0.69	0.69	1.4
1944	1.0	1.4	1.39	0.7
2528	1.3	1.8	1.81	0.6

*A maximum wet film thickness of 1.2 mm in one layer applied by spraying.
Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.*

PRODUCT INFORMATION

Description: Water-borne intumescent paint
 Code: 00667600574
 Color: White
 Gloss: Matt
 Can size: 25 kg



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Tikkurila's experienced staff will be delighted to provide you with full details on coating specifications, help in calculating wet and dry film thicknesses, as well as assisting in painting processes and inspections. Please contact our metal technical group staff by phone: **+358 20 191 2004** or by e-mail: **info.coatings@tikkurila.com**.