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Specification Sheet

Intumescent Specification **FP2**

Steelwork

New Construction (Site Applied)

Environment ISO 12944:

C1 - Heated buildings with clean atmospheres. / **C2** - Unheated buildings where condensation may occur

Durability (Life to First Major Maintenance): C1 - Life of Building / **C2** - Up to 20 Years

Surface Preparation: Blast Clean to Sa2½ BS EN ISO 8501-1:2007 - Surface Profile between 50 - 75µm

Coat	Product	Product Type	Film Thickness µm		TSR (sqm/ltr)	Volume Solids %	Mixing Ratio	Pot Life 23°C
			Dry	Wet				
1st	Macropoxy® 400	Zinc Phosphate Epoxy	75	107	9.3	70	7 : 1	1½ hrs
2nd	FIRETEX® FX1003	Solvent Based Intumescent	At specified film thickness*			75	N/A	N/A
3rd	FIRETEX® M71V2	Intumescent Topcoat	60	136	7.3	44	N/A	N/A

TSR = Theoretical Spread Rate

Product Code	Colour Range	Touch Dry 15°C	Recoat 15°C	Touch Dry 23°C	Recoat 23°C	Thinners / Cleansers	Pack Size	Product Information
400	Limited Inc, MIO	1½ hrs	5 hrs	1 hr	3½ hrs	No.2 for Thinning - No.9/13 for Cleaning	20 & 5 ltr	400 Data Sheets and Information
FX1003	White	1 hrs	4 hrs	30 mins	4 hrs	No.2 for Cleaning Only	20 ltr	FX1003 Data Sheets and Information
M71V2	Full Range	1 hr	4 hrs	45 mins	4 hrs	No.2 for Thinning and Cleaning	20 & 5 ltr	M71V2 Data Sheets and Information

D.F.T = Dry Film Thickness

If it can be guaranteed that application and subsequent in-service conditions are that of a C1 environment as defined in ISO 12944-2 then no topcoat is required.

For durability in Car Parks and Open Sided Buildings, Please consult Sherwin-Williams® Technical Customer Support Team.

*The dry film thickness of the FIRETEX® product is dependent on the size, shape and orientation of each section. Once structural drawings are obtained, Sherwin-Williams® Fire Engineering and Estimation Team can determine an accurate take-off.

Notes:

- Alternative approved topcoats are available, please contact Sherwin-Williams® Technical Customer Support for further information.
- Durability should be considered as the fire protection design life, where regular minor maintenance should be scheduled to achieve the required life to first major maintenance
- The compatibility of alternative primers should be confirmed with Sherwin-Williams® Technical Customer Support.
- Coated steelwork should be protected to prevent prolonged contact with water, e.g. ponding.
- Subject to shade and method of application, multiple coats of the finish coat may be required to achieve the dft/ full colour obliteration.
- Small areas of damage may be repaired with FIRETEX® M72. Larger areas of damage should be repaired with original FIRETEX® FX1003.
- All maintenance periods assume no abnormal service conditions and that areas of damage are repaired before the onset of localised breakdown.
- All materials should be obtained from Sherwin-Williams® and must be applied in accordance with our technical data sheets.
- For more detailed information on the application procedures for these products, and limits of use concerning film thickness control of intumescent and sealer coats; the user should consult the "FIRETEX® Solvent Based Intumescent Series Application Manual" (Available from Sherwin-Williams).
- This specification is offered as guidance only. To ensure that the most appropriate materials are used, please contact Sherwin-Williams® with the project details.