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Specification Sheet

Intumescent Specification **FP1**

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® FX5 Series	Water Based Intumescent	At specified film thickness*			69	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
FX5 Series	White	3 hrs	6 hrs	1½ hrs	4 hrs	Water for Cleaning Only	20 ltr	FX5062 Data Sheets/ FX5090 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

FIRETEX® FX5 Series includes FX5062 and FX5090 which cover time periods up to 120 minutes, the appropriate product is selected by Sherwin-Williams® Fire Engineering and Estimation Team to provide the lowest loadings for the required time period.

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.

FIRETEX® FX5 Water Based Series can be used in a C3 environment with different top sealer coats, see specification FP1c for details.

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:

- 1 Alternative approved topcoats are available, please contact Sherwin-Williams® Technical Customer Support for further information.
- 2 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
- 3 The compatibility of alternative primers should be confirmed with Sherwin-Williams® Technical Customer Support.
- 4 Coated steelwork should be protected to prevent prolonged contact with water, e.g. ponding.
- 5 Subject to shade and method of application, multiple coats of the finish coat may be required to achieve the dft/ full colour obliteration.
- 6 All maintenance periods assume no abnormal service conditions and that areas of damage are repaired before the onset of localised breakdown.
- 7 All materials should be obtained from Sherwin-Williams® and must be applied in accordance with our technical data sheets.
- 8 This specification is offered as guidance only. To ensure that the most appropriate materials are used, please contact Sherwin-Williams® with the project details.

This specification is subject to the disclaimer which can be found at <http://protectiveemea.sherwin-williams.com/Home/Disclaimer>

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