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Specification Sheet

Intumescent Specification **FX6002a**

Steelwork

New Construction

Environment ISO 12944:

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

Durability (Life to First Major Maintenance): Life of Building

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	FIRETEX® C69	Epoxy Blast Primer	25	61	16.4	41	3 : 1	7 hrs
2nd	FIRETEX® FX6002	Ultra Fast Drying Intumescent	At specified film thickness*			92	See Data Sheet	15 mins
3rd	FIRETEX® M71V2	Intumescent Topcoat	60	136	7.3	44	N/A	N/A

TSR = Theoretical Spread Rate

Product Code	Colour	Touch Dry 15°C	Recoat 15°C	Touch Dry 23°C	Recoat 23°C	Thinners / Cleansers	Pack Size	Product Information
C69	Red Oxide	15 mins	40 mins	10 mins	15 mins	No. 5 for Thinning and Cleaning	20 & 5 ltr	C69 Data Sheets and Information
FX6002	Light Grey	1 hr	1½ hrs	45 mins	1 hr	No.9 for Cleaning Only	36 ltr	FX6002 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

A primer is not necessary for environments up to, and including C3. If a primer is used, it must be approved after having been evaluated for use with FIRETEX® FX6002. For additional information please contact Sherwin-Williams Technical Customer Support (TCS): technicale@sherwin.com

If it can be guaranteed that in-service conditions will be in a C1 or C2 environment as defined in ISO. 12944-2, then the topcoat is optional. However, if a topcoat is not used in a C2 environment the durability will be reduced up to 20 years.

*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 A limited range of Sherwin-Williams alternative approved topcoats are authorised, please contact TCS
- 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 FX6002 is not suitable for permanent water immersion, but will withstand water contact that can be expected to be encountered under atmospheric exposure on structural steelwork in the given corrosivity category.
- 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. Whilst we recommend FX6002RK in the first instance for remedial works, other options may also be viable. Please see FX6002 Repair Guidance Application Manual available from Technical Customer Support.
- 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.