

Service Environment	Specification					
	No.	Materials	Dry Film Thickness	Durability	Applied	Generic Type
Heated buildings with clean atmospheres <i>C1 - Very Low</i> <i>and</i> Unheated buildings where condensation may occur <i>C2 - Low</i>	FP1	Macropoxy C400V3 FIRETEX FX5062 [†] FIRETEX M71V2	75µm* 50µm	Life of Building (C1) Up to 20 Years (C2)	Site	WB
	FP1a	Macropoxy C400V3 FIRETEX FX5120 [†] FIRETEX M71V2	75µm* 50µm	Life of Building (C1) Up to 20 Years (C2)	Site	WB
	FP1b	Macropoxy C400V3 FIRETEX FX5090 [†] FIRETEX M71V2	75µm* 50µm	Life of Building (C1) Up to 20 Years (C2)	Site	WB
	FP2	Macropoxy C400V3 FIRETEX FX1003 [†] FIRETEX M71V2	75µm* 50µm	Life of Building (C1) Up to 20 Years (C2)	Site	SB
	FP3	FIRETEX C69 FIRETEX FX2003 [†] FIRETEX M71V2	25µm* 50µm	Life of Building (C1) Up to 20 Years (C2)	Shop	SB
Internal Frequently Wet or External Urban <i>C3 - Medium</i> <i>and</i> Internal Wet/Chemical or External Industrial <i>C4 - High</i>	FP4	Macropoxy C400V3 FIRETEX FX1003 [†] Acrolon C137V2	75µm* 150µm***	Up to 20** Years	Site	SB
	FP5	FIRETEX C69 FIRETEX FX2003 [†] Acrolon C137V2	25µm* 150µm***	Up to 20** Years	Shop	SB
Internal and External <i>C3 (medium), C4 (High) and C5 (Very High)</i>	FP6	FIRETEX C69 FIRETEX M95 Series ^{††} Resistex C137V2	25µm * 50µm	C3: Life of Building C4: Up to 30 years C5-I & C5-M: Up to 25 years	Shop	SB

 Sherwin-Williams Specification No.

 ISO 12944 Corrosivity Categories

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

** Ease of Access is required to allow full inspection every year from the 3rd year after application. Where an inspection identifies breakdown or damage this should be addressed by the application of an appropriate remedial specification immediately. Where inspection is not possible, durability will be reduced to up to 10 years.



Specification Selector

Cellulosic Fire Protection

STEEL

***Multiple coats will be required to achieve this DFT; the number of coats will be dependent on the method of application. It is strongly recommended that the applicator uses contrasting shades to aid visual inspection when applying multiple coats.

† Maximum Temperature 70°C. At temperatures in excess of 40°C thermoplasticity may be observed leaving the material more susceptible to mechanical damage. Temperatures greater than 30°C in conjunction with high relative humidity may reduce the durability of the system, consult Sherwin-Williams Technical Enquiries Team for further advice.

†† Maximum Temperature 80°C.

For durability (Life to First Major Maintenance), see individual specification sheets. 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.

References to ISO 12944 are included only in relation to the Corrosivity Categories. ISO 12944 does not include guidance regarding the specification and use of Intumescent fire protection coating systems.

When determining the environmental category the specifier must consider that certain structures and/or locations can produce a micro climate which is more corrosive than that of the surrounding environment. This can be the case with open sided buildings including car parks.

In C1 and C2 environments the indicated topcoat may be substituted by any of the following, or omitted in C1 category:

- Sher-Cryl™ M770 Water Based Finish @ 35µm DFT
- FIRETEX® M71V2 @ 50µm DFT
- Acrolon™ C137V2 Special Finish @ 50µm DFT
- Acrolon™ C237 Sheen Finish @ 50µm DFT

FIRETEX M71V2, Acrolon™ C137V2 Special Finish and Acrolon™ C237 Sheen Finish are available in a full range of colours. Sher-Cryl™ M770 Water Based Finish is available in a limited range of colours.

For durability in Car Park & Open Sided Buildings, please consult Sherwin-Williams Technical Enquiries Team.

In all cases Acrolon™ C237 Sheen Finish may be used in place of Acrolon™ C137V2 Special Finish.

A range of alternative primers have been evaluated for use with FIRETEX®. For additional information please contact Sherwin-Williams Technical Enquiries Team. (technical@sherwin.com)

For maintenance and/or alternative substrate specifications, please contact Sherwin-Williams Technical Enquiries Team. (technical@sherwin.com)

The information detailed in this specification selector is liable to modification from time to time in the light of experience and of normal product development, and before using, customers are advised to check with Sherwin-Williams, quoting the reference number, to ensure that they possess the latest issue.