



Specification Selector

Cellulosic Fire Protection of MILD STEEL BS Loadings

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® 400 FIRETEX® FX5 Series† FIRETEX® M71V2	75µm* 60µm	Life of Building (C1) Up to 20 Years (C2)	Site	WB
	FP2	Macropoxy® 400 FIRETEX® FX1003† FIRETEX® M71V2	75µm* 60µm	Life of Building (C1) Up to 20 Years (C2)	Site	SB
	FP3	FIRETEX® C69 FIRETEX® FX2003† FIRETEX® M71V2	25µm* 60µm	Life of Building (C1) Up to 20 Years (C2)	Shop	SB
Internal Frequently Wet or External Urban <i>C3 - Medium</i>	FP1c	Macropoxy® 400 FIRETEX® FX5 Series† Acrolon® 7300 Gloss or Semi-Gloss	75µm* 150µm***	Up to 15** Years	Site	WB
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® 400 FIRETEX® FX1003† Acrolon® 7300 Gloss or Semi-Gloss	75µm* 150µm***	Up to 20** Years	Site	SB
	FP5	FIRETEX® C69 FIRETEX® FX2003† Acrolon® 7300 Gloss or Semi-Gloss	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® FX9500†† Acrolon® 7300 Gloss or Semi-Gloss	25µm* 60 or 150 µm	C3: Life of Building C4: >25 years C5: Option 1: Up to 25 years (60 µm topcoat) Option 2: >25 years (150 µm topcoat)	Shop	SBE



Sherwin-Williams® Specification No.



ISO 12944 Corrosivity Categories

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



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* The dry film thickness of the FIRETEX® FX Intumescent is dependent on the size, shape and orientation of each section. Supplied with this information, Sherwin-Williams® Fire Engineering & Estimation Team (FEET) can determine an accurate take-off. Please ask about our BIM capabilities.

FIRETEX® FX5 Series includes FIRETEX® FX5062 & FX5090 which cover all time periods up to 120 minutes. The most appropriate product will be selected by our fire engineers to provide the lowest loadings for the time periods required.

** 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.

***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 Customer Support Team for further advice.

†† Maximum Temperature 120°C.

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.

For surface preparation details, refer to individual specifications.

For more information on the products application procedures, please consult the relevant FIRETEX® Application Manuals available from Sherwin-Williams® Technical Customer Support Team.

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

A range of alternative primers have been evaluated for use with FIRETEX®, for additional information please contact Sherwin-Williams® Technical Customer Support Team.

Only Sherwin-Williams® tested & approved top sealer coats can be used over FIRETEX® Intumescent, please contact the Sherwin-Williams® Technical Customer Support Team for our alternatives.

For maintenance and/or alternative substrate specifications, please contact Sherwin-Williams® Technical Customer Support Team.

Technical Customer Support team can be contacted by email or phone: Email: technicale@sherwin.com,
Phone: 01204 556 457

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 number, to ensure that they possess the latest issue.

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