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# Specification Sheet

## Epoxy Intumescent Specification **FP6**

### Steelwork

#### Environment ISO 12944:

**C3** - Urban atmospheres with moderate sulphur dioxide pollution. Production rooms with high humidity and some air pollution / **C4** - Industrial Areas, Chemical Plants and Swimming Pools Etc. / **C5** - Industrial areas with high humidity & aggressive atmosphere / Coastal areas with high salinity.

#### Durability (Life to First Major Maintenance):

**C3** - Life of building

**C4** - Very High >25 years

**C5 - High: Up to 25 Years with 60 µm topcoat. By increasing the Acrolon® dft to 150 microns (applied as multiple coats), the durability will be Very High >25 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	FIRETEX® C69	Epoxy Blast Primer*	25	61	16.4	41	3 : 1	7 hrs
2nd	FIRETEX® FX9500	Epoxy Based Intumescent	At specified film thickness**			95	1 : 1	30 mins
3rd	Acrolon® 7300 Gloss or Semi-Gloss	Acrylic Polyurethane	60	88	8.8	68	10 : 1	2 hrs

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
C69	Red Oxide	15 mins	40 mins	10 mins	15 mins	No. 5 for Thinning and Cleaning	20 & 5 ltr	<a href="#">C69 Data Sheets and Information</a>
FX9500	Pale Blue	12 hrs	8 hrs	12 hrs	8 hrs	No.2 for Thinning - No.9 for Cleaning	15 ltr	<a href="#">FX9500 Data Sheets and Information</a>
7300	Wide Range	4 hrs	9 hrs	1 hr	7 hrs	No.15 for Thinning - No. 5 for Cleaning	20 & 5 ltr	<a href="#">7300 Data Sheets and Information</a>

D.F.T = Dry Film Thickness

**\*Primers may be omitted providing FIRETEX® FX9500 can be applied before the surface preparation deteriorates. Ensure any surfaces to be coated are clean, dry and free from any contamination.**

**\*\*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 epoxy primers should be confirmed with Sherwin-Williams® Technical Customer Support.
- Subject to shade and method of application, multiple coats of the finish coat may be required to achieve the dft/ full colour obliteration.
- Areas of damage should be repaired with the original FIRETEX® material.
- Where prolonged contact with water is expected, Sherwin-Williams® recommend 150 µm of Acrolon® is applied to the affected area, extended up to 1 metre along the section detail.
- 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.
- 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>*