

FIRETEX[®] FX5090 WATER BASED INTUMESCENT

Revised 05/2016 Issue 7

PRODUCT INFORMATION

P RODUCT D ESCRIPTION	Average Drying Times			
A water based TCEP free thin film intumescent coating		@ 15°C	@ 23°C	
Recommended Use	To touch:	3 hours	1½ hours	
FIRETEX FX5090 is designed for application by airless spray to provide fire resistance for periods of up to 120 minutes on structural steel.	To recoat: To handle:	6 hours This will depend FIRETEX FX509	4 hours on the total thickness of 00 to be applied.	
For use in internal dry controlled environments without topcoat. (C1 according to ISO12944-2:1998) and external urban or uncontrolled internal environments with topcoat (C3 according to ISO12944-2:1998).	These figu	24 hour res are given as a g	spray should be applied within any period uide only. Factors such as air must also be considered.	
Endorsements	Recommended Primers			
Certifire Approved – Certificate CF5188 This product has been assessed in accordance with the Criteria of Acceptability given in the ASFP/BCF "Industry Guidance document".	A range of primers have been fire tested and approved for use under FIRETEX FX5090. Please consult Sherwin-Williams for detailed information. Must not be applied directly to galvanized steel and zinc rich primers.			
This product has been tested and assessed in accordance with the ASFP fire testing protocol for cellular beam	RECOMMENDED TOPCOATS If it can be guaranteed that application and subsequent in-service conditions will be in a C1 environment as defined in ISO 12944-2:1998, then no topcoat is required.			
protection. See Section 6.3 from ASFP "Yellow Book" 4th Edition.				
Tested and assessed to EN13381-8. European Technical Assessment ETA-15-0486. CE Mark Number: 1121-CPR-GA5024.		situation a topcoa	t must be applied, consult	
Recommended Application Methods	Sher-Cryl M77	0		
Airless Spray Brush Recommended Thinner: Water - See Additional Notes	FIRETEX M71 Acrolon C137 The above pro	V2, /2 or Acrolon C23	37 used for subsequent	
	re-decoration.			
PRODUCT CHARACTERISTICS		Раск	AGE	
% Solids by Volume: 69 ± 3% (ASTM-D2697-91)	A single component material			
Colour Availability: White	Pack Size:	20 litre unit	s	
VOC 0.19 gms/litre calculated from formulation to satisfy EC Solvent	Weight:	1.40 kg/litre	9	
Emissions Directive 0.13 gms/kilo content by weight from formulation, to satisfy EC Solvent Emissions Directive	Shelf Life:	6 months fr 'Use By' da from frost.	rom date of manufacture or te where specified. Protect	
Recommended Thickness				
See separate sheet of FX5090 loading requirements.				
P RACTICAL A PPLICATION R ATES - MICRONS PER COAT				
Airless Spray Brush Dry 1000* 300 Wet 1450 435				
* Maximum sag tolerance typically 1800µm wet (1242µm dry) by airless spray.				

www.sherwin-williams.com/protectiveEMEA

This Data Sheet is specifically subject to the disclaimer which can be found at http://protectiveemea.sherwin-williams.com/Home/Disclaimer"



FIRETEX[®] FX5090 WATER BASED INTUMESCENT

PRODUCT INFORMATION

Revised 05/2016	ssue 7		NFORMA
S	JRFACE P REPARA	TION	performa
Ensure surfaces to be surface contamination	e coated are clean, dr		If it is de sheet, pl
Ar	PPLICATION EQUIP	MENT	
Airless Spray Nozzle Size:	19 - 21 thou depend requirements		In comm material moveme such cor circulatir
Operating Pressure:	175kg/cm ² (2500 ps	1)	the dryin recomme
Petrol Unit: Nozzle Size:	19 - 21 thou depend requirements	ling on application	Numeric from bate
Operating Pressure:	175kg/cm ² (2500 ps	i)	Consult F
The airless spray details given above are intended as a guide only. Details such as fluid hose length and diameter, paint temperature and job shape and size all have an effect on the spray tip and operating pressure chosen. However, the operating pressure should be the lowest possible consistent with satisfactory atomisation. As conditions will vary from job to job, it is the applicator's responsibility to ensure that the equipment in use has been set up to give the best results. If in doubt Sherwin- Williams should be consulted.			on safe s Unlike m FX5090 o TCEP is to be clas free, it is Informati
Use 3/8" ID fluid line required. In-line gun Brush	where lengths in exc or pump filters should	ess of 10 feet are I not normally be used.	Any person to the suita and Sherw or for any le
The material is suital nature of the materia Application of more t equivalent dry film th	l a ribbed appearanc han one coat may be	e will result. necessary to give	The inform time in the using, cust reference r
APPLICATION	CONDITIONS AND	O VERCOATING	
FIRETEX FX5090 m environment. It mu damp or wet cond	ist not be exposed itions during or aft	to condensation, er application.	
In conditions of high	relative humidity a	od ventilation	1

In conditions of high relative humidity good ventilation conditions are essential. Substrate temperature shall be at least 3°C above the dew point and always above 0°C.

At application temperatures below 10°C, drying and curing times will be significantly extended, and spraying characteristics may be impaired.

A minimum ambient air temperature of 5°C is required to ensure proper film formation.

Relative humidity should not exceed 80% to ensure proper film formation.

Extended overcoating times may be required at low temperatures and/or high film thicknesses.

Occasionally impaired film formation such as cracking may occur on edges of flanges and external or internal angles of structural steel, depending on geometry, over-application and ambient conditions. This does not detrimentally affect the fire

ance properties of the product.

esired to overcoat outside the times stated on the data lease seek advice of Sherwin-Williams.

ADDITIONAL NOTES

non with other water based coatings, the drying of this I is retarded by high humidity conditions. Lack of air ent also slows down the drying process, and under inditions it is advisable to introduce some method of ng air over the coated surface in order to speed up ng. A ventilated air speed of 2 metres per second is nended.

cal values quoted for physical data may vary slightly tch to batch.

Health and Safety

Product Health and Safety Data Sheet for information storage, handling and application of this product.

nany other water based intumescent coatings, FIRETEX does not contain tris-chloro ethyl phosphate (TCEP).

s a category 3 carcinogen, which would cause products assified as harmful. Since FIRETEX FX5090 is TCEP s not classified as harmful by the Chemicals (Hazard) tion and Packaging for Supply Regulations 2002.

WARRANTY

n or company using the product without first making further enquiries as ability of the product for the intended purpose does so at their own risk, vin-Williams can accept no liability for the performance of the product, loss or damage arising out of such use.

nation detailed in this Data Sheet is liable to modification from time to e light of experience and of normal product development, and before stomers are advised to check with Sherwin-Williams, quoting the number, to ensure that they possess the latest issue.

www.sherwin-williams.com/protectiveEMEA

This Data Sheet is specifically subject to the disclaimer which can be found at http://protectiveemea.sherwin-williams.com/Home/Disclaimer"