

# FIRETEX™ FX2005

## Solvent-Based Intumescent Coating

PC 111

- FEATURES**
- Fast drying
  - Smooth finish
  - Good application characteristics
  - Suitable for interior and sheltered exterior use

**USES** Dulux® FIRETEX™ FX2005 is a solvent-based intumescent coating for fire protection of interior and sheltered exterior structural steel. Dulux® FIRETEX™ FX2005 is rated to provide up to 120 minutes of cellulosic fire protection. Dulux® FIRETEX™ FX2005 can be used as a part of an approved system in atmospheric corrosivity environments up to C3 as per AS/NZS 2312.1:2014. Dulux® FIRETEX™ FX2005 is suitable for use on suitably primed steel.

**SPECIFICATIONS** Tested and approved in accordance with EN 13381-8

### RESISTANCE GUIDE

<b>WEATHERABILITY</b>	Not suitable for weather exposure unless suitably topcoated	<b>SOLVENTS</b>	Not suitable for solvent exposure unless suitably topcoated
<b>HEAT RESITANCE</b>	Suitable for cellulosic fire	<b>WATER</b>	Not suitable for water exposure unless suitably topcoated
<b>SALTS</b>	Not suitable for salt exposure unless suitably topcoated	<b>ALKALIS</b>	Not suitable for alkali exposure unless suitably topcoated
<b>ACIDS</b>	Not suitable for acid exposure unless suitably topcoated	<b>ABRASION</b>	Not suitable for abrasion exposure unless suitably topcoated

### TYPICAL PROPERTIES AND APPLICATION DATA

<b>CLASSIFICATION</b>	Solvent-based intumescent	<b>APPLICATION CONDITIONS*</b>			
<b>FINISH</b>	Flat		Min	Max	Recommended
<b>COLOUR</b>	White	<b>Air Temp.</b>	5°C	40°C	
		<b>Substrate Temp.</b>	5°C	40°C	
		<b>Relative Humidity</b>		85%	
<b>COMPONENTS</b>	One	<b>FILM THICKNESS (MICRONS)</b>			
<b>VOLUME SOLIDS</b>	75%		Min	Max	Recommended
<b>VOC LEVEL</b>	<272 g/L	<b>Wet film per coat (µm)</b>	265	1860	See FRL/FRR
<b>FLASH POINT</b>	2°C	<b>Dry film per coat (µm)</b>	200	1400	See FRL/FRR
<b>POT LIFE</b>	N/A				
<b>MIXING RATIO:</b>	N/A	<b>SUITABLE SUBSTRATES</b>	Suitably primed steel.		
<b>THINNER</b>	965-63020 CR Reducer	<b>PRIMERS</b>	Specified Dulux® Protective Coatings primers.		
<b>CLEAN UP</b>	965-63020 CR Reducer	<b>TOPCOATS</b>	Specified Dulux® Protective Coatings topcoats.		
<b>PRODUCT CODE</b>	769-H0395 White	<b>APPLICATION METHODS</b>	See Airless Equipment Recommendations		

\*Refer to Dulux Solvent Based Intumescent Application Guide.

### DRYING CHARACTERISTICS AT 800 µm DRY FILM THICKNESS\*

Temperature	Humidity	Touch	Handle	Full Cure	OVERCOAT	
					Min	Max†
5°C	50%	2 Hours	48 Hours	21 Days	4 Hours	Extended
15°C	50%	30 Minutes	36 Hours	14 Days	4 Hours	Extended
23°C	50%	20 Minutes	24 Hours	7 Days	4 Hours	Extended

\* These figures are a guide only. Drying times will increase at higher film thicknesses. Factors such as air movement must also be considered.

† Sheltered exterior exposure requires that the coating be allowed to dry for at least 24 hours at 15°C in dry conditions, with good air movement and ventilation, and applied in line with application instructions below.

### SPREADING RATE ASSUMING NO LOSSES

**1.2 square metres per litre equals 800 µm dry film thickness**

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface roughness.

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<b>SURFACE PREPARATION</b>	<b>Steel:</b> Refer to approved prime coat data sheet for surface preparation recommendations. If the maximum recoat window has been exceeded, all affected surfaces must be thoroughly and uniformly abraded prior to the application of another coating. <b>Steel where abrasive blast cleaning is not viable:</b> Refer to approved surface tolerant prime coat data sheet for surface preparation recommendations. Coating performance is proportional to the degree of surface preparation.			
<b>APPLICATION BRUSH/ROLLER</b>	Mix the entire contents of the product using a double helical mixing blade and power mixer. Suitable for small areas only. Apply even coats of the mixed material to the prepared surface and ensure new coats match the thickness of the surrounding area. When brushing and rolling additional coats may be required to attain the specified thickness.			
<b>APPLICATION EQUIPMENT</b>	Airless Spray: Graco® King 45:1 pump or equivalent. Thinning is usually not required but up to 100ml/litre of Dulux® CR Reducer (965-63020) may be added to aid application.			
	Tip Orifice 0.021" - 0.027" (533 - 686 microns)	Atomising Pressure 3,000 - 3,500 psi (207 – 241 bar)	Mat'l Hose ID 3/8" material line with 1/4" whip line (9.53mm material line with 6.35mm whip line)	Filters No filters in Pump Manifold or Spray Gun
<b>PRECAUTIONS</b>	NOTE: A 2 metre x 1/4" (6.35mm) whip hose is allowed at the end of a 3/8" material hose for greater ease of application. Maximum length of fluid line should not exceed 60m. The use of non-restrictive swivel connection off the spray gun is recommended. This is an industrial product designed for use by experienced Protective Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux® Consultant for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the written consent of Dulux® Australia. The rate of cure is dependent upon temperature. Do not apply at temperatures below 5°C. No more than two coats by airless spray should be applied within any 24 hour period. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. The surface to be coated must be totally free of moisture and contaminants. Ensure that in all circumstances the product is applied over suitable primers. Do not use this product without consulting a Dulux® Protective Coatings Consultant.			
<b>CLEAN UP</b>	Clean all equipment with Dulux® CR Reducer (965-63020) immediately after use. Refer to Dulux Solvent Based Intumescent Application Guide for more details.			
<b>APPLICATORS</b>	Dulux® FIRETEX™ FX2005 must be installed by a Dulux® Registered Intumescent Applicator.			
<b>SAFETY PRECAUTIONS</b>	<b>Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEETS are available from Customer Service (13 23 77, 0800 800 424) or <a href="http://www.duluxprotectivecoatings.com.au">www.duluxprotectivecoatings.com.au</a></b>			
<b>STORAGE</b>	Store in a well-ventilated area under cover. Keep containers closed at all times. Dulux® FIRETEX™ FX2005 has a shelf life of 24 months when stored at temperatures between 5°C-30°C.			
<b>HANDLING</b>	As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.			
<b>USING</b>	Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spraying, users must comply with their respective State Spray Painting Regulations.			
<b>FLAMMABILITY</b>	All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. If material is involved in a fire use alcohol resistant foam, standard foam or dry agent (carbon dioxide, dry chemical powder).			
<b>WELDING</b>	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.			

COMPANY INFORMATION		PACKAGING, TRANSPORT AND STORAGE	
Dulux Protective Coatings a division of		PACKAGING	Available in 20 Litre packs
DuluxGroup (Australia) Pty Ltd 1956 Dandenong Road, Clayton 3168 A.B.N. 67 000 049 427	DuluxGroup (New Zealand) Pty Ltd 150 Hutt Park Road, Lower Hutt, NZ A.B.N. 55 133 404 118	TRANSPORTATION WEIGHT	1.32 kg/litre (Average of components)
		DANGEROUS GOODS	Class 3 UN 1263

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