

# FIRETEX® FX6002

## Ultra-Fast Drying Intumescent Coating

**PC 113**

- FEATURES**
- ULTRA-FAST DRYING
  - SMOOTH FINISH
  - GOOD APPLICATION CHARACTERISTICS
  - SUITABLE FOR INTERIOR AND EXTERIOR USE

**USES** Dulux® FIRETEX® FX6002 is an ultra-fast drying intumescent coating for fire protection of interior and exterior structural steel. FIRETEX® FX6002 is rated to provide up to 120 minutes of cellulosic fire protection. Dulux® FIRETEX® FX6002 can be used as a part of an approved system in atmospheric corrosivity environments up to C5 as per AS/NZS 2312.1:2014\*. Dulux® FIRETEX® FX6002 is suitable for use directly to abrasive blast cleaned steel, or suitably primed steel.

**SPECIFICATIONS** Tested and approved in accordance with BS 476-20 and BS 476-21  
Assessed in accordance with AS 4100:1998 (R2016)

### RESISTANCE GUIDE

<b>WEATHERABILITY</b>	Suitable for exposed exterior environments when used in a suitable system.	<b>SOLVENTS</b>	Refer to approved topcoat data sheet.
<b>HEAT RESITANCE</b>	Suitable for cellulosic fire.	<b>WATER</b>	Refer to approved topcoat data sheet.
<b>SALTS</b>	Refer to approved topcoat data sheet.	<b>ALKALIS</b>	Refer to approved topcoat data sheet.
<b>ACIDS</b>	Refer to approved topcoat data sheet.	<b>ABRASION</b>	Refer to approved topcoat data sheet.

### TYPICAL PROPERTIES AND APPLICATION DATA

<b>CLASSIFICATION</b>	Methyl Methacrylate	<b>APPLICATION CONDITIONS*</b>			
<b>FINISH</b>	Flat		Min	Max	Recommended
<b>COLOUR</b>	Light Grey	<b>Air Temp.</b>	5°C	40°C	
		<b>Substrate Temp.</b>	5°C	40°C	
		<b>Relative Humidity</b>		85%	
<b>COMPONENTS</b>	Three	<b>FILM THICKNESS (MICRONS)</b>			
<b>VOLUME SOLIDS</b>	92%		Min	Max	Recommended
<b>VOC LEVEL</b>	<24 g/L	<b>Wet film per coat (µm)</b>	430	2000	See FRL/FRR
<b>FLASH POINT</b>	10°C	<b>Dry film per coat (µm)</b>	400	1840	See FRL/FRR
<b>POT LIFE</b>	30 min (36 litre kit, 15°C) 15 min (36 litre kit, 23°C)	<b>SUITABLE SUBSTRATES</b>	Abrasive blast cleaned steel, or suitably primed steel.		
<b>MIXING RATIO (V/V)</b>	Part A : 36    Part B : 35    Part C : 1	<b>PRIMERS</b>	Specified Dulux® Protective Coatings primers.		
<b>THINNER</b>	DO NOT THIN	<b>TOPCOATS</b>	Specified Dulux® Protective Coatings topcoats.		
<b>CLEAN UP</b>	965-63020    CR Reducer	<b>APPLICATION METHODS</b>	See Airless Equipment Recommendations.		
<b>PRODUCT CODE</b>	762-H0366    White (Part A) 976-H0387    Grey (Part B) 976-H0398    Catalyst (Part C)				

\*For best performance in high corrosivity environments it is recommended to use the epoxy-based FIRETEX Platinum series of products.

### DRYING CHARACTERISTICS AT 1000 µm DRY FILM THICKNESS\*

Temperature	Humidity	Touch	Handle	Full Cure	OVERCOAT	
					Min <sup>†</sup>	Max <sup>‡</sup>
5°C	50%	2 Hours	3 Hours	8 Hours	2.5 Hours	14 Days
15°C	50%	1 Hour	2 Hours	5 Hours	1.5 Hours	14 Days
23°C	50%	45 Minutes	1 Hour	3 Hours	1 Hour	14 Days

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

<sup>†</sup> External exposure requires that the coating be allowed to dry for at least 4 hours at 15°C in dry conditions, with good air movement and ventilation, and applied in line with application instructions below.

<sup>‡</sup> Max overcoatings must be reduced to 14 days for exterior exposure. If the max recoat window has been exceeded, all affected surfaces must be thoroughly and uniformly abraded prior to the application of another coating.

### SPREADING RATE 0.92 square metres per litre equals 1000 µm dry film thickness

ASSUMING NO LOSSES

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>Overcoating a primer:</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>Direct to steel:</b> Round off all rough welds, sharp edges and remove weld splatter. Remove oil and grease in accordance with AS1627.1. Dulux recommends that surfaces be degreased with Gamlen CA 1 (a free-rinsing, alkaline detergent) according to the manufacturer's written instructions and safety warnings. Abrasive blast clean to a minimum of AS1627.4 Class 2.5 with a blast profile of 50-100 microns.
<b>APPLICATION</b>	Prior to mixing the product, ensure the application equipment has been thoroughly flushed with Dulux® CR Reducer (965-63020). For optimum cure rate and productivity, the paint should be stored at 15°C or above for a period of 24 hours to stabilise prior to mixing. Dulux® FIRETEX® FX6002 Part C (Catalyst) should be incorporated into Dulux® FIRETEX® FX6002 Part B (Grey). Mix thoroughly using a mechanical stirrer with a stainless steel paddle. Pot life of mixture is 48 hours at 23°C. Using a separate mechanical stirrer, thoroughly stir Dulux® FIRETEX® FX6002 Part A (White, Base) until homogenous. Keep all mixing equipment separate and <b>DO NOT CROSS CONTAMINATE COMPONENTS</b> . Once both Part A (White, Base) and additive mixture (Part B (Grey) / Part C (Catalyst) mixture) are homogenous, transfer to the respective holding tanks on the application equipment or use transfer pumps and pump from the 20 litre pails. Purge the application unit to remove any solvent in the system. Any excessive residual solvent in the system will impede on the curing time.
<b>BRUSH/ROLLER</b>	For repairs and small areas use Dulux® FIRETEX® FX6010. Refer to Dulux® FIRETEX® FX6002 Application Guide for more details.
<b>APPLICATION EQUIPMENT</b>	Dulux® FIRETEX® FX6002 must be applied with a plural component unit such as Graco® XP70 or equivalent. Do not attempt to apply the product through any standard single component application equipment. See Dulux® FIRETEX® FX6002 Application Guide for more details.
<b>PRECAUTIONS</b>	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® Protective Coatings Consultant for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the written consent of Dulux® Protective Coatings. The rate of cure is dependent upon temperature. Do not apply at temperatures below 5°C. 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® FIRETEX® FX6002 Application Guide for more details.
<b>APPLICATORS</b>	Dulux® FIRETEX® FX6002 must be applied 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® FX6002 has a shelf life of 12 months from date of manufacture when stored at temperatures between 5°C-30°C. Store Dulux® FIRETEX® Part C (Catalyst) is classified as a Division 5.2 Organic Peroxide and must be stored in accordance with the relevant regulations. Refer to product Safety Data Sheet for more details.
<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. <b>DO NOT SMOKE</b> . If the stock 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		<b>PACKAGING</b>	Available in 36 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	<b>TRANSPORTATION WEIGHT</b>	1.47 kg/litre (Average of components)
		<b>DANGEROUS GOODS</b>	Part A: Class 3 UN 1263 Part B: Class 3 UN 1263 Part C: Class 5.2 UN 3107

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