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 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

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

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Methyl Methacrylate
FINISH	Flat
COLOUR	Light Grey
COMPONENTS	Three
VOLUME SOLIDS	92%
VOC LEVEL	<24 g/L
FLASH POINT	10°C
POT LIFE	30 min (36 litre kit, 15°C) 15 min (36 litre kit, 23°C)
MIXING RATIO (V/V)	Part A : 36 Part B : 35 Part C : 1
THINNER	DO NOT THIN
CLEAN UP	965-63020 CR Reducer
PRODUCT CODE	762-H0366 White (Part A) 976-H0387 Grey (Part B) 976-H0398 Catalyst (Part C)

APPLICATION CONDITIONS*

	Min	Max	Recommended
Air Temp.	5°C	40°C	
Substrate Temp.	5°C	40°C	
Relative Humidity		85%	

FILM THICKNESS (MICRONS)

	Min	Max	Recommended
Wet film per coat (µm)	430	2000	See FRL/FRR
Dry film per coat (µm)	400	1840	See FRL/FRR

SUITABLE SUBSTRATES	Abrasive blast cleaned steel, or suitably primed steel.
PRIMERS	Specified Dulux® Protective Coatings primers.
TOPCOATS	Specified Dulux® Protective Coatings topcoats.
APPLICATION METHODS	See Airless Equipment Recommendations.

DRYING CHARACTERISTICS AT 1000 µm DRY FILM THICKNESS*

					OVERCOAT	
Temperature	**Humidity**	**Touch**	**Handle**	**Full Cure**	**Min†**	**Max‡**
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.
† 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.
‡ 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
ASSUMING NO LOSSES

0.92 square metres per litre equals 1000 µm dry film thickness
NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface roughness.

FIRETEX® FX6002

SURFACE PREPARATION	**Overcoating a primer:** 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. **Direct to steel:** 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.
APPLICATION	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). If required, 2 x units of 250 ml Dulux® FIRETEX® FX6010 Part B catalyst can be used in place of 1 x unit of 500 ml Dulux® FIRETEX® Part C catalyst. Mix thoroughly using a mechanical stirrer. 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 DO NOT CROSS CONTAMINATE COMPONENTS. 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.
BRUSH/ROLLER	For repairs and small areas use Dulux® FIRETEX® FX6010. Refer to Dulux® FIRETEX® FX6002 Application Guide for more details.
APPLICATION EQUIPMENT	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.
PRECAUTIONS	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.
CLEAN UP	Clean all equipment with Dulux® CR Reducer (965-63020) immediately after use. Refer to Dulux® FIRETEX® FX6002 Application Guide for more details.
APPLICATORS	Dulux® FIRETEX® FX6002 must be applied by a Dulux® Registered Intumescent Applicator.
SAFETY PRECAUTIONS	**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 www.duluxprotectivecoatings.com.au**
STORAGE	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.
HANDLING	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.
USING	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.
FLAMMABILITY	All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. If the stock material is involved in a fire use alcohol resistant foam, standard foam or dry agent (carbon dioxide, dry chemical powder).
WELDING	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

COMPANY INFORMATION

Dulux Protective Coatings a division of

DuluxGroup (Australia) Pty Ltd
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PACKAGING, TRANSPORT AND STORAGE

PACKAGING	Available in 36 Litre packs
TRANSPORTATION WEIGHT	1.47 kg/litre (Average of components)
DANGEROUS GOODS	Part A: Class 3 UN 1263 Part B: Class 3 UN 1263 Part C: Class 5.2 UN 3107