FIRETEX® FX6010

Ultra-Fast Drying Intumescent Coating — PC 115

FEATURES
- ULTRA-FAST DRYING
- SMOOTH FINISH
- SUITABLE FOR APPLICATION WITH AIRLESS SPRAY EQUIPMENT
- SUITABLE FOR INTERIOR AND EXTERIOR USE

USES Dulux® FIRETEX® FX6010 is an ultra-fast drying intumescent coating for fire protection of interior and exterior structural steel. Dulux® FIRETEX® FX6010 is rated to provide up to 120 minutes of cellulosic fire protection. Dulux® FIRETEX® FX6010 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® FX6010 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 EN13381-8 and BS EN13381-9.
Tested and approved in accordance with AS 1530.4:2014 and 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**	Resistant to abrasion during handling, transport and construction.

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Methyl Methacrylate
FINISH	Flat
COLOUR	Light Grey
COMPONENTS	Two
VOLUME SOLIDS	92%
VOC LEVEL	<24 g/L
FLASH POINT	10°C
POT LIFE	60 min (18 litre kit, 10°C) 55 min (18 litre kit, 15°C) 45 min (18 litre kit, 23°C)
MIXING RATIO (V/V)	Part A : 71 Part B : 1
THINNER	DO NOT THIN
CLEAN UP	965-63020 CR Reducer
PRODUCT CODE	783-H0379 Light Grey (Part A) 976-H0393 Catalyst (Part B)

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	1600	See FRL/FRR
Dry film per coat (µm)	400	1470	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.

*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*

					OVERCOAT	
Temperature	**Humidity**	**Touch**	**Handle**	**Full Cure**	**Min†**	**Max‡**
5°C	50%	4.5 Hours	6 Hours	10 Hours	3.5 Hours	14 Days
15°C	50%	2.5 Hours	3 Hours	6 Hours	1.5 Hours	14 Days
23°C	50%	1.5 Hours	2 Hours	4 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.

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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

Refer to the Dulux® FIRETEX® FX6010 Application Guide for full application details. Premix Part A thoroughly using a power mixer (such as an Intex MegaMixer® AMX 1600 or equivalent) and double helical mixing blade prior to adding the Part B catalyst, ensuring all separated material are reconstituted into a homogeneous blend. Once a homogeneous blend has been achieved, add the Part B catalyst into the Part A under agitation and power mix for a minimum of 2-3 minutes.

BRUSH/ROLLER

Suitable for small areas only. When brushing and rolling additional coats may be required to obtain the recommended film thickness. Brushes: use high quality natural or synthetic bristle brushes. Rollers: use 5 mm shed resistant synthetic woven nap cover.

APPLICATION EQUIPMENT

Refer to Dulux® FIRETEX® FX6010 Application Guide for full equipment recommendation details.
Airless Spray: Graco® King 60-1 w/ 220cc lower (K60FH2) pump with an XTR7 spray gun & XHD RAC and spray tips or equivalent. DO NOT THIN.

Tip Orifice	Atomising Pressure	Mat'l Hose ID	Filters
0.023" – 0.027" (584 - 686 microns)	3,600 – 4,500 psi (248 – 310 bar)	3/8" (9.5 mm)	NO FILTERS in pump manifold or spray gun

NOTES:
A 2 metre x ¼" (6.35mm) whip hose is allowed at the end of the material hose for greater ease of application.
A direct feed approach vs the use of a suction tube is recommended. See the Dulux® FIRETEX® FX6010 Application Guide for more detail.

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® FX6010 Application Guide for more details.

APPLICATORS

Dulux® FIRETEX® FX6010 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® FX6010 has a shelf life of 9 months from date of manufacture when stored at temperatures between 5°C-30°C. Dulux® FIRETEX® 6010 Part B 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 beyond the hazardous exposure zone before welding.

COMPANY INFORMATION

Dulux Protective Coatings a division of

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

PACKAGING, TRANSPORT AND STORAGE

PACKAGING	Available in 18 Litre packs
TRANSPORTATION WEIGHT	1.46 kg/litre (Average of components)
DANGEROUS GOODS	Part A (Grey): Class 3 UN 1263 Part B (Catalyst): Class 5.2 UN 3107