FIRETEX® FX2003

Solvent-Based Intumescent Coating PC 110

FEATURES
- SMOOTH FINISH
- GOOD APPLICATION CHARACTERISTICS
- SUITABLE FOR INTERIOR USE

USES Dulux® FIRETEX® FX2003 is a solvent-based intumescent coating for fire protection of interior structural steel. Dulux® FIRETEX® FX2003 is rated to provide up to 120 minutes of cellulosic fire protection. Dulux® FIRETEX® FX2003 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® FX2003 is suitable for use on suitably primed steel.

SPECIFICATIONS Tested and approved in accordance with BS 476-20 and BS 476-21

RESISTANCE GUIDE

WEATHERABILITY	Suitable for exposure environments up to C3 as per AS/NZS 2312.1:2014 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	Solvent-based intumescent
FINISH	Flat
COLOUR	White
COMPONENTS	One
VOLUME SOLIDS	75%
VOC LEVEL	<272 g/L
FLASH POINT	2°C
POT LIFE	N/A
MIXING RATIO:	N/A
THINNER	965-63020 CR Reducer
CLEAN UP	965-63020 CR Reducer
PRODUCT CODE	766-H0373 White

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)	265	1860	See FRL/FRR
Dry film per coat (µm)	200	1400	See FRL/FRR

SUITABLE SUBSTRATES	Suitably primed steel.
PRIMERS	Specified Dulux® Protective Coatings primers.
TOPCOATS	Specified Dulux® Protective Coatings topcoats.
APPLICATION METHODS	See Airless Equipment Recommendations.

*Refer to Dulux® Solvent Based Intumescent Application Guide.

DRYING CHARACTERISTICS AT 800 µm DRY FILM THICKNESS*

					OVERCOAT	
Temperature	Humidity	Touch	Handle	Full Cure	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.

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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SURFACE PREPARATION

Steel: 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. **Steel where abrasive blast cleaning is not viable:** Refer to approved surface tolerant prime coat data sheet for surface preparation recommendations. Coating performance is proportional to the degree of surface preparation.

APPLICATION

Mix the entire contents of the product using a double helical mixing blade and power mixer.

BRUSH/ROLLER

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.

APPLICATION EQUIPMENT

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	Atomising Pressure	Mat'l Hose ID	Filters
0.021" - 0.027" (533 - 686 microns)	3,000 - 3,500 psi (207 – 241 bar)	3/8" material line with 1/4" whip line (9.53mm material line with 6.35mm whip line)	No filters in Pump Manifold or Spray Gun

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.

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. No more than two coats by airless spray should be applied within any 24 hour period. 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. For an exterior suitable intumescent system contact Dulux Protective Coatings.

CLEAN UP

Clean all equipment with Dulux® CR Reducer (965-63020) immediately after use. Refer to Dulux Solvent Based Intumescent Application Guide for more details.

APPLICATORS

Dulux® FIRETEX® FX2003 must be installed 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™ FX2003 has a shelf life of 24 months from date of manufacture when stored at temperatures between 5°C-30°C.

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 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 18 Litre packs
TRANSPORTATION WEIGHT	1.32 kg/litre (Average of components)
DANGEROUS GOODS	Class 3 UN 1263