

FIRETEX® Platinum (Formerly FirePro® 9300)

Solventless Ultra High Build Epoxy Intumescent Coating

PC 300

- FEATURES**
- PROVIDES EXTERIOR DURABLE PROTECTION
 - RESISTANT TO HANDLING DAMAGE
 - FAST DRYING
 - LOW VOC's, LOW ODOUR

USES Dulux® FIRETEX® Platinum is a solventless, ultra-high build, epoxy intumescent coating for the fire protection of interior and exterior structural steel. Dulux® FIRETEX® Platinum is rated to provide up to 60 minutes of cellulose fire protection. Dulux® FIRETEX® Platinum 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® Platinum is suitable for use directly to abrasive blast cleaned steel and when done so is suitable to be used in atmospheric corrosivity environments up to C3 as per AS/NZS 2312.1:2014.

SPECIFICATIONS Consult a Dulux Intumescent Specialist for specifications based on data for AS4100:1998 (R2016), BS476: Part 21 1987 and EN13381-8:2013.

RESISTANCE GUIDE

WEATHERABILITY	Will chalk in exterior exposure if not top coated. Neither yellowing nor chalking detracts from the fire protection properties of the coating. Use a weatherable topcoat if required for appearance and UV resistance.	SOLVENTS	Very good solvent resistance.
HEAT RESISTANCE	Up to 120°C Dry Heat.	WATER	Excellent resistance to fresh and salt water.
SALTS	Excellent resistance to neutral and alkali salts.	ALKALIS	Suitable for splash and spillage of strong alkali.
ACIDS	Good resistance to splash and spillage of mild acids.	ABRASION	Good when fully cured.

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Two Pack Epoxy	APPLICATION CONDITIONS*			
FINISH	Semi Gloss		Min †	Max	
COLOUR	Light Grey	Air Temp.	10°C	40°C	
		Substrate Temp.	10°C	40°C	
		Relative Humidity		80%	
COMPONENTS	Two	COATING THICKNESS (MICRONS)			
VOLUME SOLIDS	100%		Min	Max	Recommended
VOC LEVEL	<2 g/L	Wet film per coat (µm)	300	4000	See FRL/FRR
FLASH POINT	Not Applicable	Dry film per coat (µm)	300	4000	See FRL/FRR
POT LIFE	30 min (17.7kg kit, 20°C) 15 min (17.7kg kit, 35°C)	SUITABLE SUBSTRATES	Abrasive blast clean steel, or suitably primed steel.		
MIXING RATIO	Part A : 100 Part B : 12 (BY WEIGHT)	PRIMERS	Specified Dulux® Protective Coatings primers.		
THINNER	DO NOT THIN	TOPCOATS	Specified Dulux® Protective Coatings topcoats.		
CLEAN UP	920-81942 Duthin® 450 or, 965-63020 CR Reducer	APPLICATION METHODS	See Airless Equipment Recommendations		
PRODUCT CODE	793-H0375 Light Grey (Part A) 976-H0368 Hardener (Part B)				

* Refer to Dulux® Epoxy Intumescent Application Guide.

† While the minimum application temperatures are 10°C, productivity is significantly improved at 16°C or higher.

DRYING CHARACTERISTICS AT 1000 µm DRY FILM THICKNESS*

Temperature	Humidity	Touch	Handle	Full Cure	OVERCOAT	
					Min	Max ¹
20° C	50%	8 Hours	24 Hours	7 Days	8 Hours	7 Days

*These figures are a guide only.

¹ Max overcoating must be reduced to 2 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. If application is by brush or roller, additional coats will be necessary to achieve the minimum DFT. The DFT of FIRETEX® Platinum is dependent on FRL/FRR.

SPREADING RATE ASSUMING NO LOSSES

0.77 square metres per kilogram 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® Platinum

SURFACE PREPARATION	Steel: Round off all rough welds, sharp edges and remove weld splatter. Remove oil grease and other contaminants in accordance with AS1627.1. Dulux recommends that surfaces be degreased with Gamlen CA1 (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 40-70 microns.								
APPLICATION	Mix the entire contents of Part A thoroughly using a double helical mixing blade and a heavy duty power mixer such as an Intex MegaMixer® AMX 620 until the contents are uniform. Mix part A and part B together with the same power mixer until a thoroughly homogeneous mixture is achieved. While power mixing, scrape sidewalls of pail with a long handled metal spatula, drawing the product into the main body of the material. Transfer the mixed material into a clean container and remix thoroughly before pouring into the stainless steel hopper. NOTE: A large volume of material will set up quickly if not applied or reduced in volume in a timely manner. Product needs to be gravity fed through a material hopper – material will not feed through a suction tube.								
BRUSH/ROLLER	Suitable for small areas only. When brushing and rolling additional coats may be required to attain the specified thickness. Brushes - use high quality synthetic or nylon bristle brushes. Roller covers - use high quality 10mm or 12 mm synthetic woven nap roller covers.								
APPLICATION EQUIPMENT	Airless Spray: Graco® K60FH2 (60-1 Pump) or equivalent Thinning is not recommended. Apply in multiple wet coats overlapping each pass 50%. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Tip Orifice</th> <th style="width: 25%;">Atomizing Pressure</th> <th style="width: 25%;">Mat'l Hose ID</th> <th style="width: 25%;">Filters</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0.019" – 0.023" (482 - 584 microns)</td> <td style="text-align: center;">3,600 – 4,000 psi (248 – 290 bar)</td> <td style="text-align: center;">3/8" or 1/2" (9.5 mm or 12.7mm)</td> <td style="text-align: center;">No Filters in Pump Manifold or Spray Gun</td> </tr> </tbody> </table> <p>NOTE: A 2 metre x 3/8" (9.53 mm) whip hose is allowed at the end of a 1/2" material hose for greater ease of application. The use of nonrestrictive swivel connection off the spray gun is recommended.</p> <p>Add the following to a Graco® K60FH2 Airless Pump:</p> <ul style="list-style-type: none"> • Graco® SS hopper, part #24X570 – Gravity feed product to lower • Graco® 4500w/240v inline heater & mounting Kit, part No's 245863 & 17V573 – Used to reduce viscosity. The material temperature at the spray tip should be 35°C. • Graco® XHF Direct feed spray gun & XHD RAC Switch Tip and Guard 	Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Filters	0.019" – 0.023" (482 - 584 microns)	3,600 – 4,000 psi (248 – 290 bar)	3/8" or 1/2" (9.5 mm or 12.7mm)	No Filters in Pump Manifold or Spray Gun
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PUMP MAINTENANCE	After every 5- 6 kits the equipment should be flushed with solvent. This is accomplished in two stages. First, Duthin® 450 (920-81942) or CR Reducer (965-63020) (either new or filtered) is run through the pump for five minutes. Then a second flush is done, again for five minutes using fresh Duthin® 450 or CR Reducer (This solvent can be used for the first flush cycle of the next flush cycle). After the end of a work shift, the pump is flushed as stated. This time, after the second flush, the lower end of the pump is disassembled and thoroughly cleaned to remove all traces of coating material. It should be noted that the amount of flushing needed is dependent on temperatures and extended spray times.								
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® 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 10°C. Do not apply at relative humidity above 80% 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 FIRETEX® Platinum is applied over suitable primers. Do not use this product without consulting a Dulux® Protective Coatings Consultant.								
CLEAN UP	Clean all equipment with Duthin® 450 (920-81942) immediately after use. As an alternative CR reducer may be used. Refer to the Dulux® Epoxy Intumescent Application Guide for more details.								
APPLICATORS	Dulux® FIRETEX® Platinum 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) or www.duluxprotectivecoatings.com.au								
STORAGE	Store in a well-ventilated area under cover. Keep containers closed at all times. Shelf life – 24 months								
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	Although this product is not flammable the cleaning agent is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO ₂ or dry chemical powder. On burning will emit toxic fumes.								
WELDING	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 DuluxGroup (Australia) Pty Ltd 1956 Dandenong Road, Clayton 3168 A.B.N. 67 000 049 427	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-right: 1px solid black; padding-right: 5px;">PACKAGING</td> <td>Available in 17.7kg packs</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">TRANSPORTATION WEIGHT</td> <td>1.3 kg/litre (Average of components)</td> </tr> <tr> <td style="border-right: 1px solid black; padding-right: 5px;">DANGEROUS GOODS</td> <td>Part A: Class 9 UN 3082 Part B: Class 8 UN 2735</td> </tr> </table>	PACKAGING	Available in 17.7kg packs	TRANSPORTATION WEIGHT	1.3 kg/litre (Average of components)	DANGEROUS GOODS	Part A: Class 9 UN 3082 Part B: Class 8 UN 2735
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DuluxGroup (New Zealand) Pty Ltd 150 Hutt Park Road, Lower Hutt, NZ A.B.N. 55 133 404 118							

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 MegaMixer is a registered trade mark of Intex Group International Pty Ltd.
 Graco is a registered trade mark of Graco Inc.



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