

LUXEPOXY[®] SEALER

Two Pack Epoxy Penetrating Sealer

PC 205

- FEATURES**
- EXCELLENT PENETRATION ONTO HAND PREPARED MILD STEEL AND AGED COATINGS
 - IDEAL SEALER FOR AREAS WHERE ONLY MINIMAL SURFACE PREPARATION IS POSSIBLE
 - 100% SOLIDS
 - LOW VISCOSITY
 - EASE OF APPLICATION – BRUSH, ROLLER & SPRAY

USES LUXEPOXY[®] Sealer has been specially designed with excellent penetrating properties which provides a means to effectively seal substrates where only minimal surface preparation is possible, and in turn ensure the adhesion of subsequent coatings. Excellent sealer also for masonry, aged white rusted zinc surfaces and over inorganic zinc coatings. Suitable for use in a wide range of environments. LUXEPOXY[®] Sealer can be topcoated with a wide range of coating types.

SPECIFICATIONS

RESISTANCE GUIDE

WEATHERABILITY	Epoxy coatings yellow with time and chalk on exterior exposure. Neither yellowing nor chalking detracts from the protective properties of the coating. Use a weatherable topcoat if required for appearance.	SOLVENTS	Good resistance to splash and spillage of most hydrocarbon solvents, refined petroleum products and most common alcohols.
HEAT RESISTANCE	Up to 120°C dry heat	WATER	Excellent resistance to fresh and salt water but not suitable for immersion
SALTS	Excellent resistance to salt solutions	ALKALIS	Good resistance to splash and spillage of most common alkalis
ACIDS	Good resistance to splash and spillage of dilute solutions of inorganic acids	ABRASION	Not recommended for direct abrasion, use abrasion-resistant topcoat when required

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Two pack epoxy penetrating sealer	APPLICATION CONDITIONS			
FINISH	Semi Gloss		Min	Max	
COLOUR	Clear amber	Air Temp.	10°C	40°C	
		Substrate Temp.	10°C	40°C	
		Relative Humidity		85%	
		Concrete Moisture		<6%	
COMPONENTS	Two	COATING THICKNESS (MICRONS)			
VOLUME SOLIDS	100%		Min	Max	Recommended
VOC LEVEL	<210 g/L	Wet film per coat (µm)	40	40	40
FLASH POINT	57°C	Dry film per coat (µm)	40	40	40
POT LIFE	4 Hours (4 Litre kit, 25°C)	SUITABLE SUBSTRATES	Rusty steel, weathered galvanised steel, concrete, masonry and previously painted surfaces		
MIXING RATIO V/V	Part A : 3 Part B : 1	PRIMERS	Not applicable		
THINNER	Do not thin	TOPCOATS	Most Dulux [®] two pack topcoats		
PRODUCT CODE	731-84591 Part A 976-84594 Hardener	APPLICATION METHODS	Brush, roller and conventional spray		

DRYING CHARACTERISTICS AT 40 µm DRY FILM THICKNESS

Temperature	Humidity	Touch	Handle	Full Cure	OVERCOAT	
					Min	Max*
25° C	50%	9 Hours	20 Hours	7 Days	16 Hours	72 hours

These figures are a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.
 * Some surface tack may be present for 2-3 days after application, but this does not prevent overcoating by spray. If the maximum overcoat interval is exceeded and the surface is hard to touch, then it MUST be abraded to ensure maximum intercoat adhesion.

SPREADING RATE **25 square metres per litre equals 40 µm dry film thickness**
 ASSUMING NO LOSSES NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness.

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TYPICAL SYSTEMS

This is a guide only and not to be used as a specification. Your specific project needs must be discussed with a Dulux Protective Coatings Consultant.

SURFACE	ENVIRONMENT	PREPARATION GUIDE	SYSTEM	DFT (µm)
STEEL – MAINTENANCE	Exterior	Hand or Power Tool clean. AS1627.2 St 3 Abrasive blast AS1627.4 Class 1	1 st Coat Luxepoxy® Sealer 2 nd Coat Durebild® STE 3 rd Coat Weathermax® HBR	40 µm 125 µm 100 µm
STEEL – MAINTENANCE	Interior	Hand or Power Tool clean. AS1627.2 St 3 Abrasive blast AS1627.4 Class 1	1 st Coat Luxepoxy® Sealer	40 µm
CONCRETE	Interior	Remove release agents and other surface contaminants	1 st Coat Luxepoxy® Sealer 2 nd Coat Durebild® STE	40 µm 200 µm

NOTE: If application is by brush or roller, additional coats will be necessary to achieve the minimum DFT

SURFACE PREPARATION	<p>Rusty steel and weathered galvanised steel: LUXEPOXY® Sealer is designed for less than ideal surface preparation. Coating performance is proportional to the degree of surface preparation and will be improved as the surface preparation improves. As a minimum remove grease, oil and other contaminants in accordance with AS1627.1. The surface must be free from grease, oil, dirt, rust and other contaminants. Degrease surface with Gamlen CA 1 (a free-rinsing, alkaline detergent) according to the manufacturer's written instructions and all safety warnings. Power tool clean according to AS1627.2.</p> <p>Concrete Floors: Concrete must be at least 28 days old before coating. Remove curing compounds, oil, grease and other oily contaminants with Gamlen CA 1 (according to the manufacturer's written instructions and all safety warnings). Diamond grind, track or light shot-blast concrete floors to remove laitance and to provide a suitable profile. Remove all dust by vacuum cleaning. Fill any large cracks or voids using Luxepoxy® Filler.</p>			
APPLICATION	Mix each can thoroughly using a power mixer until the contents are uniform. Mix the contents of both packs together thoroughly with a power mixer and let stand for 10 minutes. Remix thoroughly before application.			
BRUSH/ROLLER	Do not thin. Apply even coats of the mixed material to the prepared surface. For porous surfaces additional coats may be required to completely cover and penetrate to the sound surface underneath			
CONVENTIONAL SPRAY	Do not thin.			
	Typical Set-up	Graco AirPro:	1.8mm (239543)	
		Pressure at Triton 308:	35-70 kPa (5-10 p.s.i.)	
		Pressure at Gun:	270-340 kPa (40-50 p.s.i.)	
AIRLESS SPRAY	Not recommended			
PRECAUTIONS	<p>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 express written consent of Dulux® Australia. Do not add freshly mixed material to an existing mix. The rate of cure is dependent upon temperature. Do not apply at temperatures below 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Some surface tack may be present for 2-3 days after application but this does not prevent overcoating by spray.</p>			
CLEAN UP	Clean all equipment with Dulux® Epoxy Thinner (920-08925) immediately after use.			
OVERCOATING	Degrease with Gamlen CA 1 according to the data sheet. Test adhesion of existing coating by standard cross hatch adhesion test. If the coating fails, remove it. High-pressure water wash at 8.3 to 10.3 MPa (1,200-1,500 p.s.i.) to remove chalk and dust. Abrade surface to provide a good key for the new coating. Epoxies must be abraded if recoated outside the recoat window.			
SAFETY PRECAUTIONS	Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or www.duluxprotectivecoatings.com.au			
STORAGE	Store as required for a flammable liquid Class 3 in a bonded area under cover. Store in well-ventilated area away from sources of heat or ignition. Keep containers closed at all times.			
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	This product 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

Dulux Protective Coatings a division of

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PACKAGING, TRANSPORT AND STORAGE

PACKAGING	Available in 4 litre packs
TRANSPORTATION WEIGHT	1.17 kg/litre (Average of components)
DANGEROUS GOODS	Part A: Non dangerous goods Part B: Class 3 UN 1263

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