

# LUXEPOXY<sup>®</sup> Sealer

Two Pack Epoxy Penetrating Sealer

PC 205

- FEATURES**
- EXCELLENT PENETRATING PROPERTIES OVER 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<sup>®</sup> 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.

LUXEPOXY<sup>®</sup> Sealer is ideal for use in the encapsulation of surfaces containing toxic pigments such as lead and chromates as well as asbestos. Suitable for use in a wide range of environments.

LUXEPOXY<sup>®</sup> Sealer can be topcoated with a wide range of coating types.

**SPECIFICATIONS**

**RESISTANCE GUIDE**

<b>HEAT RESISTANCE</b>	Up to 120°C dry heat.	<b>ALKALIS</b>	Good resistance to splash and spillage of most common alkalis.
<b>WEATHERABILITY</b>	Epoxy coatings may yellow with time. On exterior exposure some chalking may also occur. This will not detract from the protective properties of the coating. Use a weatherable topcoat if required for appearance.	<b>SALTS</b>	Excellent resistance to fresh and salt water but not suitable for immersion.
<b>SOLVENTS</b>	Resists splash and spillage of most hydrocarbon solvents, refined petroleum products and most common alcohols.	<b>WATER</b>	Not recommended for immersion conditions.
<b>ACIDS</b>	Suitable for splash and spillage exposure to weak solutions of inorganic acids.	<b>ABRASION</b>	Good when fully cured.

**TYPICAL PROPERTIES AND APPLICATION DATA**

<b>CLASSIFICATION</b>	Two pack epoxy penetrating sealer	<b>APPLICATION CONDITIONS</b>	Min	Max
<b>FINISH</b>	Medium Sheen	Air Temperature	10°C	45°C
<b>COLOUR</b>	Amber clear	Substrate Surface Temperature	10°C	45°C
<b>COMPONENTS</b>	Two	Relative Humidity		85%
<b>SOLIDS BY VOLUME</b>	100%	Concrete Moisture Content		<10%
<b>VOC LEVEL</b>	<210 g/L		Recom.	
<b>FLASH POINT</b>	43°C	Wet film per coat (microns)	40	
<b>POT LIFE</b>	4 Hours (4L, 25°C)	Dry film per coat (microns)	40	
<b>MIXING RATIO (V/V)</b>	Part A : 3      Part B : 1	<b>SUITABLE SUBSTRATES</b>	Rusty steel, weathered galvanised steel, concrete, masonry and previously painted surfaces.	
<b>THINNER</b>	Do not thin	<b>TOPCOATS</b>	Most two pack products.	
<b>PRODUCT CODE</b>	731-84591      Part A 976-84594      Hardener	<b>APPLICATION METHODS</b>	Brush, roller and conventional spray.	

Drying characteristics at 40 microns 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 given as a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.

If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.

Some surface tack may be present for 2-3 days after application, but this does not prevent overcoating by spray.

**TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD**

A spreading rate of 25.0 sq. metres per litre corresponds to 40 microns dry film thickness assuming no losses. Practical spreading rates will vary depending on such factors as method and conditions of application and surface roughness.

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## TYPICAL SYSTEMS

(The typical systems are offered as a guide only and are not to be used as a specification. It is recommended that the specific needs of a project be discussed with a Dulux Protective Coatings Consultant.)

SURFACE	PREPARATION GUIDE	SYSTEM		DRY FILM THICKNESS
STEEL Maintenance	Hand or Power Tool clean. AS1627.2 St 3 Abrasive blast AS1627.4 Class 1	1st Coat 2nd Coat 3rd Coat	LUXEPOXY <sup>®</sup> Sealer DUREBILD <sup>®</sup> STE WEATHERMAX <sup>™</sup> HBR	40 Microns 125 Microns 100 Microns
CONCRETE	Clean surface to remove contaminants. Diamond grind, track or light-shot blast. Remove dust.	1st Coat 2nd Coat	LUXEPOXY <sup>®</sup> Sealer DUREBILD <sup>®</sup> HSE	40 Microns 200 Microns

### SURFACE PREPARATION

**Rusty steel and Weathered galvanised steel:** LUXEPOXY<sup>®</sup> 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.

**Concrete:** Remove all laitance, form release, curing compounds, oil, grease and other surface contaminants. Diamond grind, track or light shot-blast to provide suitable profile. Remove all dust by vacuum cleaning. Fill any large voids exposed using Luxepoxy Filler. Cement based substrates should be at least 21 days old before coating.

**Previously painted surfaces:** Remove loose and peeling paint, loose rust and other surface contaminants.

### APPLICATION

Stir each can thoroughly until the contents are uniform. Use of a power mixer is recommended. Mix the contents of both packs together thoroughly using a power mixer and allow to stand for 10 minutes. Remix thoroughly before using.

### 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 Delta Gun: 1.8mm (239543)  
Pressure at Pot: 35-70 kPa (5-10 p.s.i.)  
Pressure at Gun: 270-340 kPa (40-50 p.s.i.)

### AIRLESS SPRAY

Not 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<sup>®</sup> representative for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Dulux<sup>®</sup> Australia. Freshly mixed material that has been mixed for some time. 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.

### CLEAN UP

Clean all equipment with Dulux<sup>®</sup> Epoxy Thinner (920-08925) immediately after use.

### OVERCOATING

Aged coating should be tested for lifting by a method appropriate for the coating thickness, for example 'X' cut or cross-hatch methods. If it lifts, remove it. The surface must be free of oil, grease and other contaminants. High-pressure water wash at 8.3 to 10.3 MPa (1,200 - 1,500 p.s.i.) to remove loosely adhering chalk and dust. Abrasion may be required depending on surface condition. If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.

### SAFETY PRECAUTIONS

**Read Data Sheet, Material Safety Data Sheet and any precautionary labels on containers.**

### 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 spray painting, users should comply with the provisions of the respective State Spray Painting Regulations.

### FLAMMABILITY

All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO<sub>2</sub> 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.

**MATERIAL SAFETY DATA SHEET is available from Customer Service (132377) or [www.duluxprotectivecoatings.com.au](http://www.duluxprotectivecoatings.com.au)**

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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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