

Dulux Luxepoxy 4 White Primer





NZDI0890

Description
DULUX LUXEPOXY 4 White Primer is a non inhibitive two pack solvent borne primer based on an epoxy resin and polyamide curing agent.

Features And Benefits	
<ul style="list-style-type: none"> ▪ Non toxic pigments ▪ Universal primer 	<ul style="list-style-type: none"> ▪ Used for food, beverage and water contact with topcoat. ▪ Apply over galvanised steel, non ferrous metals, concrete and timber.

Uses
<p>DULUX LUXEPOXY 4 White Primer is recommended on all galvanised steel, non ferrous metals, concrete and timber as the primer for high performance epoxy, polyurethane, enamels and water borne acrylics. It displays the same high degree of solvent, chemical and abrasion resistance as LUXEPOXY 4 Finish.</p> <p>LUXEPOXY 4 White Primer is typically used over appropriate substrates in the chemical and petroleum industry, food and beverage plants, abattoirs, canneries and in conjunction with inorganic zinc as a lining for steel potable water storage tanks.</p>

Performance Guide			
Weatherability	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.	Salts	Excellent resistance to all neutral and alkaline salt solutions.
Heat Resistance	To 105C (dry).	Water	Suitable for immersion in fresh or salt water when suitably topcoated.
Solvents	Resists splash and spillage of most common alcohols, aliphatic and aromatic hydrocarbons.	Abrasion	Excellent resistance when fully cured.
Acids	Suitable for splash and spillage exposure to weak solutions of inorganic acids.	Alkalis	Excellent resistance to splash and spillage of most common alkalis.

Typical Properties			
Finish	Low Gloss	Colour	White
Components	2	Flash Point	15 C (mixed)
Pot Life	8 Hours at 25C	Shelf Life	12 months @ 25 deg/C
Mixing Ratio (V/V)	Two, 4 pt A: 1 pt B: by volume	Thinner	DULUX Prothinner 400
Suitable Substrates	Prepared concrete, polyester composite, MDF, aluminium and most non-ferrous metals.	Line/Shade	<ul style="list-style-type: none"> ▪ 731-63011 (Part A) ▪ 976-50732 (Part B)
Topcoats	Single and two pack products		
Application Methods	    Air Spray Airless Spray Brush Roller		
Application Conditions		Min	Max
	Air Temperature	10	45
	Substrate Surface Temperature	10	45
	Relative Humidity	0	85
Solids By Volume	43		
	Min	Max	Recommended
Wet Film Per Coat (microns)			125
Dry Film Per Coat (microns)			50
Recoat Time (min)	8 Hours	Indefinite	
Theoretical Spread Rate (m²/L)			8.6

Hardener Details

Hardener Title						
	Coating Thickness (microns)			Application Conditions (°C)		
	Min	Max	Recommended		Min	Max
Wet Film per Coat				Air Temp.		
Dry Film per Coat				Substrate Surface Temp.		
				Relative Humidity		
				Concrete Moisture Content		<10
Solids By Volume		V.O.C. Level	<490 g/L		Pot Life	
# Drying characteristics at 125 microns dry film thickness						
Temperature	Humidity	Touch	Handle	Full Cure	Recoat Min	Recoat Max
10 C	50%	2 Hours	15 Hours	7 Days	15 Hours	Indefinite
15 C	50%	2 Hours	9 Hours	7 Days	9 Hours	Indefinite
25 C	50%	1.5 Hours	4 Hours	7 Days	8 Hours	Indefinite
# TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD				# A spreading rate of 8.6sq. meters per litre corresponds to 50 microns dry film thickness assuming no losses. Practical spreading rates will vary depending on such factors as method and condition of application and surface roughness		
Hardener Section Footer	These figures are given as a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying. When used for non-immersion conditions. Refer to PRECAUTIONS section for overcoating intervals and requirements for immersion service.					

Surface Preparation

STEEL
It is recommended that specifiers follow the guidelines for surface preparation from the data sheet for the primer selected. The primer surface must be free from grease, oil, dirt and other loosely adhering materials. Not recommended for direct application to ferrous metals.

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.

MDF& HARDWOOD
Sand thoroughly and remove all dust.

NON FERROUS METALS
Round off all rough welds, sharp edges and remove weld spatter. Remove grease, oil and other contaminants in accordance with AS1627.1. Abrade the surface with abrasive paper or whip blast. Remove all dust by vacuum cleaning.

Application Guide	
Application Method	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	Apply even coats of the mixed material to the prepared surface. When brushing and rolling additional coats may be required to attain the specified thickness.
Conventional Spray	Thin up to 150 ml/litre with Dulux Prothinner 400 to aid atomisation. Typical Set-up Graco Delta Gun: 1.4mm (239542) Pressure at Pot: 70-100 kPa (10-15 p.s.i.) Pressure at Gun: 380-410 kPa (55-60 p.s.i.)
Airless Spray	Standard airless spray equipment such as a Graco 30:1 President with a fluid tip of 13-15 thou (0.33-0.38mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 50 ml/litre of Dulux Prothinner 400 may be added to ease application.
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® 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 New Zealand. Freshly mixed material must not be added to 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. When used for immersion conditions the maximum overcoat interval is 3 days at 25°C. The coating MUST be fully cured and solvent free prior to being placed under immersion conditions
Clean Up	Clean all equipment with DULUX Prothinner 400

Overcoating
Aged coating should be tested for lifting by a method suitable to the coating thickness, for example 'X' cut or crosshatch methods. If it lifts, remove it. The surface must be free of oil, grease and other contaminants. If the coating has exceeded the maximum recoat interval then abrade the surface. High-pressure water blast at 1,200 - 1,500 p.s.i. to remove loosely adhering chalk and dust.

Health And Safety	
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 bunded 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	This product is flammable. All sources of ignition must be eliminated in or near the working area. DO NOT SMOKE.
Welding	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.
In the case of emergency, please call 0800 734 607	

Resistance Guide		
Chemical	Permanent Exposure	Intermittent Exposure

Transport And Storage			
Packaging	4L	Transportation	1.3.6kg/L
Dangerous Goods Part A			
Class	3a	UN Number	1263
Dangerous Goods Part B			
Class	3b	UN Number	1263

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