

Dulux Luxaprime Zinc Phosphate

NZDI0929





Specifications	AS 3750.19 Type 2
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Description
DULUX LUXAPRIME® Zinc Phosphate oil modified polyurethane based primer is a one pack product which contains zinc phosphate and micaceous iron oxide pigments. The primer is highly resistant to moisture and gives superior performance over power or hand tool cleaned surfaces compared to conventional ROZP primers. The high build nature of the product allows up to 75 microns DFT in one coat.

Features And Benefits	
<ul style="list-style-type: none"> ▪ Contains zinc phosphate ▪ Micaceous iron oxide ▪ High build primer ▪ Primer/finish coat 	<ul style="list-style-type: none"> ▪ Non toxic anti-corrosive pigment. ▪ Superior protection and moisture resistance. ▪ Allows heavy (75 um DFT) one coat application. ▪ Can be left as topcoat.

Uses
LUXAPRIME® Zinc Phosphate is recommended as a primer or primer finish over steel, especially in circumstances where surface preparation is limited to power or hand tool clean standards. Abrasive blast cleaning is always recommended where it can be justified on economic or practical grounds. LUXAPRIME® Zinc Phosphate is typically used on bridges, cranes, towers, tanks and roofs and especially as a primer-finish in environmental colours on general structural steelwork such as warehouses and factories.

Performance Guide			
Weatherability	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 splash and spillage of neutral salt solutions.
Heat Resistance	Up to 120C (dry)	Water	Resists rain and condensation. Not recommended for permanently damp or immersed exposure.
Solvents	Withstands intermittent splash and spillage of aliphatic and aromatic hydrocarbons.	Abrasion	Good when fully cured.
Acids	Not recommended where fumes, splash or spillage of acids may occur.	Alkalis	Not recommended where fumes, splash or spillage of alkalies may occur.

Typical Properties			
Classification	ANTICORROSIVE PRIMER-FINISH	Finish	Metallic lustre.
Colour	Dark Blue, Light Grey.	Components	1
Flash Point	32 C	Shelf Life	12 months minimum @ 25C
Thinner	DULUX CR Reducer (965-63020)	Suitable Substrates	Abrasive blast cleaned, hand cleaned or power tool cleaned steel.
Line/Shade	866 LINE		
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	45	
		Min	Max
	Wet Film Per Coat (microns)		Recommended
	Dry Film Per Coat (microns)		165
	Recoat Time (min)	24 Hours	Indefinite
	Theoretical Spread Rate (m²/L)		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			
Solids By Volume	45	V.O.C. Level <440g/L		Pot Life			
# Drying characteristics at 125 microns dry film thickness							
Temperature	Humidity	Touch	Handle	Full Cure	Recoat Min	Recoat Max	
10 C	50%	1 Hour	8 Hours	7 Days	24 Hours	Indefinite	
15 C	50%	45 Minutes	5 Hours	7 Days	24 Hours	Indefinite	
25 C	50%	30 Minutes	2 Hours	7 Days	24 Hours	Indefinite	
# TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD				# A spreading rate of 7.5sq. meters per litre corresponds to 75 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. The surface can be marked for several days after application.						

Surface Preparation
Round off rough welds, sharp steel edges and weld spatter. Remove grease, oil and other contaminants in accordance with AS1627.1. Rust, millscale, oxide deposits and old paint films on metal surfaces should be removed by hand (AS 1627.7 Class 2) or power tool (AS1627.2 Class 2) cleaning as a minimum. Coating performance is proportional to the degree of surface preparation and abrasive blast cleaning to a minimum AS 1627.4 Class 2 is preferred for more severe environments. Remove all dust by brushing or vacuum cleaning. To recoat aged LUXAPRIME Zinc Phosphate: Clean off all grease and loosely adhered chalk. Apply further coat LUXAPRIME Zinc Phosphate to specified film thickness.

Application Guide	
Application Method	Stir each can thoroughly until the contents are uniform. Use of a power mixer is recommended. Remix thoroughly before using and continue mixing during application.
Brush/Roller	Apply a full coat without thinning. When brushing and rolling additional coats may be required to attain the specified thickness. In hot weather a small amount of mineral turpentine will ease application.
Conventional Spray	Thin up to 100ml/litre with DUTHIN® 340 Spray Thinner (965-63034) to aid atomisation. Apply in multiple wet coats overlapping each pass 50%. Typical Set-up Graco Delta Gun: 1.8mm (239543) Pressure at Pot: 70-100 kPa (10-15 p.s.i.) Pressure at Gun: 410-480 kPa (60-70 p.s.i.)
Airless Spray	Standard airless spray equipment such as a Graco 33:1 Bulldog with a fluid tip of 19-21 thou (0.48-0.53mm) 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 DUTHIN® 340 Spray Thinner (965-6034) 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. 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. Do not overcoat before the minimum overcoat interval or wrinkling may occur. The surface can be marked for several days after application. Abrasive blast cleaned surfaces must be primed within 4 hours. When overcoating with approved two pack finishes or with finishes containing aggressive solvents, a drying period of at least 72 hours at 25°C is recommended. If unsure of the result lightly sand and test a small area before completing the major work.
Clean Up	Clean all equipment with DULUX CR Reducer (965-63020)

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	15L	Transportation	1.45 kg/L
Dangerous Goods Part A			
Class	3a	UN Number	1263
Dangerous Goods Part B			

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