

**Dulux Luxathane R Gloss**

**NZDI0915**


<b>Specifications</b>	AS/NZS 3750.6
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<b>Description</b>
DULUX LUXATHANE® R is a full gloss, two component acrylic polyurethane which displays the advantage of being recoatable with minimum surface preparation.

<b>Features And Benefits</b>	
<ul style="list-style-type: none"> <li>• 2-pack polyurethane</li> <li>• High gloss finish</li> <li>• Excellent adhesion</li> </ul>	<ul style="list-style-type: none"> <li>• Excellent solvent, chemical and abrasion resistance.</li> <li>• Attractive and easy maintenance surface.</li> <li>• Excellent durability.</li> </ul>

<b>Uses</b>
DULUX Luxathane R is designed for general use in atmospheric chemical and marine service where gloss and colour retention, hardness and abrasion resistance, and wide-ranging chemical resistance are required. It may be used in new construction and maintenance services over properly primed steel, galvanised steel, concrete or hardwood timber.
LUXATHANE R may be applied directly over all Dulux Epoxy Primers and universal primers or over recommended high-build epoxy intermediate coats. It may be effectively used over aged tightly adhering epoxy and other coatings subject to necessary solvent resistance tests and appropriate surface preparation

<b>Performance Guide</b>			
<b>Weatherability</b>	Excellent gloss and colour retention on exterior exposure.	<b>Salts</b>	Unaffected by splash and spillage of most salt solutions.
<b>Heat Resistance</b>	Up to 120C (dry).	<b>Water</b>	Excellent resistance to fresh and salt water but not recommended for immersion.
<b>Solvents</b>	Unaffected by splash & spillage of common alcohols, esters, ketones and hydrocarbon solvents.	<b>Abrasion</b>	Excellent when fully cured.
<b>Acids</b>	Suitable for splash and spillage exposure to most acids.	<b>Alkalis</b>	Good resistance to splash and spillage of most common alkalis.

Typical Properties			
<b>Classification</b>	Acrylic polyurethane coating	<b>Finish</b>	High gloss.
<b>Colour</b>	White, and an extensive range of colours from three tint bases	<b>Components</b>	2
<b>Pot Life</b>	4 - 6 Hours at 25C	<b>Shelf Life</b>	12 months min @ 25 deg/C
<b>Mixing Ratio (V/V)</b>	Two, 4 pt A: 1 pt B: by volume	<b>Thinner</b>	DULUX Prothinner 800
<b>Suitable Substrates</b>	Suitably primed steel, aluminium, zinc coated steel, concrete, fibreglass or MDF	<b>Line/Shade</b>	<ul style="list-style-type: none"> <li>• 737 LINE (Part A)</li> <li>• 976-93345 (Part B)</li> </ul>
<b>Primers</b>	Epoxy primers, etch primers and universal metal primers		
<b>Application Methods</b>	 Air Spray  Airless Spray  Brush  Roller		
<b>Application Conditions</b>		<b>Min</b>	<b>Max</b>
	<b>Air Temperature</b>	5	45
	<b>Substrate Surface Temperature</b>	5	35
	<b>Relative Humidity</b>	0	85
<b>Solids By Volume</b>	46		
		<b>Min</b>	<b>Max</b>
<b>Wet Film Per Coat (microns)</b>			<b>Recommended</b>
			110
<b>Dry Film Per Coat (microns)</b>			50
<b>Recoat Time (min)</b>	16 Hours		Indefinite
<b>Theoretical Spread Rate (m<sup>2</sup>/L)</b>			9.2

Hardener Details							
<b>Hardener Title</b>	STANDARD HARDENER						
	<b>Coating Thickness (microns)</b>			<b>Application Conditions (°C)</b>			
	<b>Min</b>	<b>Max</b>	<b>Recommended</b>		<b>Min</b>	<b>Max</b>	
<b>Wet Film per Coat</b>			110	<b>Air Temp.</b>	5	45	
<b>Dry Film per Coat</b>			50	<b>Substrate Surface Temp.</b>	5	45	
				<b>Relative Humidity</b>	0	85	
				<b>Concrete Moisture Content</b>			
<b>Solids By Volume</b>	46	<b>V.O.C. Level</b>	<490 g/L (White)	<b>Pot Life</b>	4-6 Hours (4L, 25C)		
# Drying characteristics at 125 microns dry film thickness							
<b>Temperature</b>	<b>Humidity</b>	<b>Touch</b>	<b>Handle</b>	<b>Full Cure</b>	<b>Recoat Min</b>	<b>Recoat Max</b>	
10 C	50%	90 Minutes	24 Hours	7 Days	24 Hours	Indefinite	
15 C	50%	60 Minutes	12 Hours	7 Days	12 Hours	Indefinite	
25 C	50%	30 Minutes	9 Hours	7 Days	9 Hours	Indefinite	
# TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD				# A spreading rate of 9.2sq. 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			
<b>Hardener Section Footer</b>	# These figures are given as a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.						

**Surface Preparation**

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.

Application Guide	
<b>Application Method</b>	Stir each can thoroughly until the contents are uniform. Use of a power mixer is recommended. Ensure bases have been tinted to the correct colour before use – DULUX ASSUMES NO RESPONSIBILITY FOR THE APPLICATION OF AN INCORRECT COLOUR. Mix the contents of both packs together thoroughly using a power mixer and allow to stand for 10 minutes. Box all containers before use to ensure colour consistency. Remix thoroughly before using.
<b>Brush/Roller</b>	Suitable for small areas only. Where larger areas are involved, application is improved by the addition of up to 100 ml/litre with Dulux Prothinner 800. When brushing and rolling additional coats may be required to attain the specified thickness.
<b>Conventional Spray</b>	Thin up to 150ml/litre with Dulux Prothinner 800 to aid atomisation. Apply in multiple wet coats overlapping each pass 50%. 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.) HVLP 1.4 Fluid Tip Set
<b>Airless Spray</b>	Standard airless spray equipment such as a Graco 30:1 President with a fluid tip of 15 thou (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 100 ml/litre of Dulux Prothinner 800 may be added to ease application.
<b>Precautions</b>	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 5°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Ensure that you read and understand the safety precautions on the Material Safety Data Sheets for the two components before using. The recommended thinner MUST be used as some solvents react with the isocyanate hardener seriously degrading the life of the coating. Under no circumstances should water or non-recommended thinner be allowed to contaminate the product. In hot weather use Dulux Prothinner 800 for improved flow and to reduce dry spray.
<b>Clean Up</b>	Clean all equipment with DULUX Prothinner 800.

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	
<b>Safety Precautions</b>	# Read Data Sheet, Material Safety Data Sheet and any precautionary labels on containers.
<b>Storage</b>	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.
<b>Handling</b>	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. Gas is evolved when isocyanate in the hardener reacts with water. If a closed container shows signs of internal pressure, cover it completely with a cloth and remove the lid slowly to prevent splashing or violent expulsion of the lid.
<b>Using</b>	Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear a positive-pressure, air-supplied respirator. When spray painting, users should comply with the provisions of the respective State Spray Painting Regulations.
<b>Flammability</b>	This product is flammable. All sources of ignition must be eliminated in or near the work area. DO NOT SMOKE.
<b>Welding</b>	# Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding
<b>In the case of emergency, please call 0800 734 607</b>	

Resistance Guide		
<b>Chemical</b>	<b>Permanent Exposure</b>	<b>Intermittent Exposure</b>

<b>Transport And Storage</b>			
<b>Packaging</b>	4L	<b>Transportation</b>	1.28 kg/L
Dangerous Goods Part A			
<b>Class</b>	3b	<b>UN Number</b>	1263
Dangerous Goods Part B			
<b>Class</b>	3a	<b>UN Number</b>	1263

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DuluxGroup (New Zealand) Pty Ltd 150 Hutt Park Road NZ ACN 133 404 118