

# LUXACHLOR® FINISH

## Tintable Chlorinated Rubber Finish

PC 524

- FEATURES**
- EXCELLENT WATER IMPERMEABILITY AND SALT SPRAY RESISTANCE
  - RESISTANT TO MOULD AND MILDEW
  - FULLY TINTABLE – AVAILABLE IN OVER 5,000 COLOURS
  - SINGLE PACK RECOATABLE

**USES** LUXACHLOR® Finish is a single pack, chlorinated rubber coating that offers excellent barrier protection to a wide variety of substrates. LUXACHLOR® Finish is recommended for the protection of steel structures such as cranes, bridges, conveyors, barges, dredges etc. especially in corrosive marine conditions.

LUXACHLOR® Finish is frequently specified for protection on fertiliser plants, plating shops, paper mills, breweries, chemical storage tanks and in the mining industry. LUXACHLOR® Finish is also used to protect masonry buildings and structures subject to high humidity and condensation, such as light houses, against moisture ingress. LUXACHLOR® Finish is thermoplastic (softens on heating) and is best coated on site.

**SPECIFICATIONS** AS/NZS 3750.11 Type 3

### RESISTANCE GUIDE

<b>WEATHERABILITY</b>	Will chalk on exterior exposure. This will not detract from the protective properties of the coating.	<b>SOLVENTS</b>	Resists splash and spillage of aliphatic solvents and mineral oils. Poor resistance to other solvents.
<b>HEAT RESISTANCE</b>	Up to 65°C dry heat	<b>WATER</b>	Excellent resistance to fresh and salt water but not suitable for immersion
<b>SALTS</b>	Unaffected by splash and spillage of most salt solutions	<b>ALKALIS</b>	Good resistance to splash and spillage of most common alkalis
<b>ACIDS</b>	Good resistance to splash and spillage of most solutions of inorganic acids	<b>ABRASION</b>	Good when fully cured

### TYPICAL PROPERTIES AND APPLICATION DATA

<b>CLASSIFICATION</b>	Tintable chlorinated rubber finish	<b>APPLICATION CONDITIONS</b>			
<b>FINISH</b>	Gloss		Min	Max	
<b>COLOUR</b>	White, a full range of tinted colours and MTO factory made colours	<b>Air Temp.</b>	5°C	40°C	
		<b>Substrate Temp.</b>	5°C	40°C	
		<b>Relative Humidity</b>		85%	
		<b>Concrete Moisture</b>		<10%	
<b>COMPONENTS</b>	One	<b>COATING THICKNESS (MICRONS)</b>			
<b>VOLUME SOLIDS</b>	35% (White/Light Base, untinted)		Min	Max	Recommended
<b>VOC LEVEL</b>	<580 g/L (White/Light Base, untinted)	<b>Wet film per coat (µm)</b>	115	170	145
<b>FLASH POINT</b>	24°C	<b>Dry film per coat (µm)</b>	40	60	50
<b>POT LIFE</b>	Not applicable				
<b>MIXING RATIO V/V</b>	Single Pack	<b>SUITABLE SUBSTRATES</b>	Suitably primed steel, aluminium, zinc coated steel and concrete		
<b>THINNER</b>	965-63020 Dulux® CR Reducer	<b>PRIMERS</b>	Most Dulux® two pack and single pack primers		
<b>PRODUCT CODE</b>	252-63001 White/Light Base 252-63002 Deep Base 252-63003 Clear Base	<b>TOPCOATS</b>	Not applicable		
		<b>APPLICATION METHODS</b>	Brush, roller, conventional, airless spray or air assisted spray		

### DRYING CHARACTERISTICS AT 50 µm DRY FILM THICKNESS\*

Temperature	Humidity	Touch	Handle	Full Cure	OVERCOAT	
					Min	Max*
25° C	50%	4 Hours	24 Hours	7 Days	6 Hours	Extended

\*These figures are a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.

### SPREADING RATE 7.0 square metres per litre equals 50 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 – NEW	Medium corrosivity (AS2312.1 Cat C4)	Abrasive blast clean AS1627.4 Class 2.5	1 <sup>st</sup> Coat Durezinc™ i90 2 <sup>nd</sup> Coat Ferreko® No. 3 3 <sup>rd</sup> Coat Luxachlor® Finish	75 µm 100 µm 50 µm
STEEL – NEW	Severe industrial corrosivity (AS2312.1 System CLR3)	Abrasive blast clean AS1627.4 Class 2.5	1 <sup>st</sup> Coat Duremax® GPE ZP 2 <sup>nd</sup> Coat Ferreko® No. 6 3 <sup>rd</sup> Coat Luxachlor® Finish	125 µm 125 µm 50 µm
CONCRETE	Exterior/Interior	Remove release agents and other surface contaminants	1 <sup>st</sup> Coat Durebild® STE (thin 10-15%) 2 <sup>nd</sup> Coat Luxachlor® Finish 3 <sup>rd</sup> Coat Luxachlor® Finish	125 µm 50 µm 50 µm

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

<b>SURFACE PREPARATION</b>	Specifiers should follow the surface preparation guidelines from the data sheet for the primer or first coat selected. The surface must be clean, sound and free from moisture, grease, oil, dirt, rust, loose paint, and other contaminants and abraded to provide a suitable key for the coating system. If application of the second coat has exceeded the recoat window of the first coat (refer to data sheet) then the entire surface MUST be abraded.
<b>APPLICATION</b>	Mix thoroughly using a power mixer until the contents are uniform. Ensure cans been tinted to the correct colour before use. DULUX® ASSUMES NO RESPONSIBILITY FOR THE APPLICATION OF INCORRECT COLOUR. Box all containers before use to ensure colour consistency. Remix thoroughly before application.
<b>BRUSH/ROLLER</b>	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. Do not overwork, as wet edge properties are limited. Thin if necessary with Dulux® CR Reducer (965-63020).
<b>CONVENTIONAL SPRAY</b>	Thin up to 150ml/litre with Dulux® CR Reducer (965-63020) to aid atomisation. Typical Set-up Graco AirPro 1.4mm (239542) Pressure at Triton 308: 70-100 kPa (10-15 p.s.i.) Pressure at Gun: 410-490 kPa (60-70 p.s.i.)
<b>AIRLESS SPRAY</b>	Standard airless spray equipment such as a Graco Xtreme 30:1 or Graco Merkur 30:1 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 100 ml/litre of Dulux® CR Reducer (965-63020) may be added to aid 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® Consultant for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the written consent of Dulux® Australia. 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. Do not apply on structures subject to sustained surface temperatures above 65°C or where spillage of solvent may occur. Do not weld or flame cut through chlorinated rubber coatings. Due to their thermoplastic nature, chlorinated rubber coatings are more suited to on site application. If transporting after application, great care should be taken to ensure painted surfaces are not in contact with each other.
<b>CLEAN UP</b>	Clean all equipment with Dulux® CR Reducer (965-63020) immediately after use
<b>OVERCOATING</b>	Remove oil, grease, dirt and other surface contaminants. 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 (1,200-1,500p.s.i.) to remove chalk and dust. Abrade to remove gloss and provide a key for the new coating.
<b>SAFETY PRECAUTIONS</b>	<b>Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or <a href="http://www.duluxprotectivecoatings.com.au">www.duluxprotectivecoatings.com.au</a></b>
<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.
<b>USING</b>	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.
<b>FLAMMABILITY</b>	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 <sub>2</sub> or dry chemical powder. On burning will emit toxic fumes.
<b>WELDING</b>	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 and 15 litre containers  
TRANSPORTATION WEIGHT 1.30 kg/litre  
DANGEROUS GOODS Class 3 UN 1263

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