

LUXACHLOR[®] HB

High Build Chlorinated Rubber Coating

PC 522

- FEATURES**
- SEMI GLOSS COATING WITH EXCELLENT WATER & SALT SPRAY RESISTANCE
 - WITHSTANDS CONTACT WITH MOST ACIDS, ALKALIES & CHEMICALS
 - APPROVED TO APAS 2903

USES

LUXACHLOR[®] HB is a semi gloss unmodified chlorinated rubber coating with high build characteristics capable of being applied to 100 microns D.F.T. by airless spray. It is designed for application over appropriate primers providing a coating system with exceptional water impermeability and salt resistance, coupled with excellent resistance to acids and alkalis. Because of their thermoplastic nature, chlorinated rubber should be coated on site.

LUXACHLOR[®] HB is recommended for the protection of steel structures such as cranes, bridges, conveyors, barges, dredges, etc. under marine conditions. It is also commonly specified for fertiliser plants, plating shops, paper mills, breweries, and exterior coatings on chemical storage tanks and for use in the mining industry. With excellent mildew resistance.

LUXACHLOR[®] HB is ideal for use on masonry buildings and cold rooms under conditions of high humidity and condensation.

SPECIFICATIONS AS/NZS 3750.11 Type 1

RESISTANCE GUIDE

HEAT RESISTANCE	Up to 65°C dry heat.	ALKALIS	Good resistance to splash and spillage of most common alkalis.
WEATHERABILITY	Some chalking will occur with exterior exposure if not topcoated. This will not detract from the resistance properties of the coating.	SALTS	Unaffected by splash and spillage of most salt solutions.
SOLVENTS	Resists splash and spillage of aliphatic solvents and mineral oils. Poor resistance to other solvents.	WATER	Excellent resistance to fresh and salt water but not suitable for immersion.
ACIDS	Suitable for splash and spillage exposure to most solutions of inorganic acids.	ABRASION	Good for single pack coating.

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	High build chlorinated rubber coating	APPLICATION CONDITIONS	Min	Max	
FINISH	Semi Gloss	Air Temperature	5°C	40°C	
COLOUR	White and MTO factory made colours.	Substrate Surface Temperature	5°C	40°C	
COMPONENTS	One	Relative Humidity		85%	
SOLIDS BY VOLUME	36% (White)	Concrete Moisture Content		<10%	
VOC LEVEL	<550 g/L (White)		Min	Max	Recom.
FLASH POINT	25°C	Wet film per coat (microns)	220	275	250
POT LIFE	Not applicable	Dry film per coat (microns)	80	100	90
MIXING RATIO (V/V)	Single Pack	SUITABLE SUBSTRATES	Suitably primed steel, aluminium, zinc coated steel and prepared concrete.		
THINNER	965-63020 Dulux [®] CR Reducer	PRIMERS	Two pack epoxy, inorganic zinc and selected single pack primers.		
PRODUCT CODE	253-63010 White	APPLICATION METHODS	Roller, conventional, airless spray or air assisted spray.		

Drying characteristics at 90 microns dry film thickness

Temperature	Humidity	Touch	Handle	Full Cure	Overcoat	
					Min	Max
25° C	50%	4 Hours	24 Hours	7 Days	6 Hours	Indefinite

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

TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD

A spreading rate of 4.00 sq. metres per litre corresponds to 90 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.

LUXACHLOR® HB

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	Abrasive blast AS1627.4 Class 2.5	1st Coat	LUXAPRIME® UMP	50 Microns
		2nd Coat	LUXACHLOR® HB	90 Microns
CONCRETE	Clean surface to remove contaminants. Diamond grind, track or light-shot blast. Remove dust.	3rd Coat	LUXACHLOR® Finish	50 Microns
		1st Coat	DURAMAX® GPE ZP	125 Microns
		2nd Coat	LUXACHLOR® HB	90 Microns
		Optional	LUXACHLOR® Finish	50 Microns
CONCRETE	Clean surface to remove contaminants. Diamond grind, track or light-shot blast. Remove dust.	1st Coat	LUXACHLOR® HB	75 Microns
		2nd Coat	LUXACHLOR® Finish	90 Microns

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. A seal coat of LUXAPRIME® UMP ZP or LUXEPOXY® 4 White Primer is recommended if being applied over inorganic zinc coatings to eliminate bubbling in warm conditions. When applying direct to 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.

APPLICATION Stir each can thoroughly until the contents are uniform. Use of a power mixer is recommended. Remix thoroughly before using.

BRUSH/ROLLER Apply even coats to a uniform build, with a medium nap fabric roller. When brushing and rolling additional coats may be required to attain the specified thickness. Thinner is not required, however the addition of small quantities of Dulux® CR Reducer (965-63020) may ease application in warmer weather conditions.

CONVENTIONAL SPRAY Thin up to 150ml/litre with Dulux® CR Reducer (965-63020) 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 **The preferred method of application.**

Standard airless spray equipment such as a Graco 33:1 Bulldog or 45:1 Xtreme with a fluid tip of 15 -19 thou (0.38-0.48mm) 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 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® 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 shortly after application care should be taken to ensure painted surfaces are not in contact.

CLEAN UP Clean all equipment with Dulux® CR Reducer (965-63020) 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.

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 This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO₂ 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

Dulux Protective Coatings a division of DuluxGroup (Australia) Pty Ltd
 1956 Dandenong Road, Clayton 3168
 A.B.N. 67 000 049 427
 Dulux, Luxachlor, Duremax and Luxaprime are registered trademarks. DuluxGroup is a trademark.

PACKAGING Available in 15 litre pails
 TRANSPORTATION WEIGHT 1.29 kg/litre (Average of components)
 DANGEROUS GOODS Class 3 UN 1263

Any advice, recommendation, information, assistance or service provided by DULUX Australia in relation to goods manufactured by it or their use and application is given in good faith and is believed by Dulux to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Dulux is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon Dulux by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Products can be expected to perform as indicated in this sheet so long as applications and application procedures are as recommended. Specific advice should be sought from Dulux for application in coastal areas and for large projects to ensure proper performance.