

# FERREKO<sup>®</sup> No 6

Chlorinated Rubber Micaceous Iron Oxide Finish

**PC 580**

- FEATURES**
- EXCELLENT DURABILITY, WATER & CHEMICAL RESISTANCE
  - HIGH BUILD TO 125 MICROMETRES
  - EXTENDED RECOAT INTERVAL
  - APAS APPROVAL

**USES** FERREKO<sup>®</sup> No 6 is a high build, unmodified chlorinated rubber finish containing a high level of micaceous iron oxide. The resulting coating has excellent durability, water and chemical resistance due to the interlocking nature of the pigment flakes. It is recommended for the long-term protection of bridges, tankage and other steel structures in coastal marine environments. Such applications include bulk handling, bridges, wharf superstructures, hoppers and steel silos. FERREKO<sup>®</sup> No 6 displays excellent intercoat adhesion and may be readily recoated after 6-8 hours or touched up after extended exposure.

**SPECIFICATIONS**

**RESISTANCE GUIDE**

<b>HEAT RESISTANCE</b>	Up to 65°C dry heat.	<b>ALKALIS</b>	Good resistance to splash and spillage of most common alkalis. Aluminium containing colours are not recommended for alkaline conditions.
<b>WEATHERABILITY</b>	Excellent in all but the most aggressive chemical and marine exposure.	<b>SALTS</b>	Unaffected by splash and spillage of most salt solutions. Aluminium containing colours are not recommended for alkaline conditions.
<b>SOLVENTS</b>	Resists splash and spillage of aliphatic solvents and mineral oils. Poor resistance to other solvents.	<b>WATER</b>	Excellent resistance to fresh and salt water but not suitable for immersion.
<b>ACIDS</b>	Suitable for splash and spillage exposure to most solutions of inorganic acids. Aluminium containing colours are not recommended for acidic conditions.	<b>ABRASION</b>	Good for single pack coating.

**TYPICAL PROPERTIES AND APPLICATION DATA**

<b>CLASSIFICATION</b>	Chlorinated rubber MIO finish		<b>APPLICATION CONDITIONS</b>		Min	Max
<b>FINISH</b>	Metallic lustre		Air Temperature	5°C	40°C	
<b>COLOUR</b>	MTO Only - Natural Grey & Bridge Grey		Substrate Surface Temperature	5°C	40°C	
<b>COMPONENTS</b>	One		Relative Humidity			85%
<b>SOLIDS BY VOLUME</b>	37.7% (Bridge Grey)		@ 48% Volume Solids	Min	Max	Recom.
<b>VOC LEVEL</b>	<540 g/L (Bridge Grey)		Wet film per coat (microns)	200	335	270
<b>FLASH POINT</b>	26°C		Dry film per coat (microns)	75	125	100
<b>POT LIFE</b>	Not applicable		<b>SUITABLE SUBSTRATES</b>	Suitably primed steel.		
<b>MIXING RATIO (V/V)</b>	Single pack		<b>PRIMERS</b>	Most single and two pack primers		
<b>THINNER</b>	965-63020	Dulux <sup>®</sup> CR Reducer	<b>APPLICATION METHODS</b>	Conventional, airless spray or air assisted spray.		
<b>PRODUCT CODE</b>	247-50681	Natural Grey				
	247-50680	Bridge Grey				

**Drying characteristics at 100 microns dry film thickness**

Temperature	Humidity	Touch	Handle	Full Cure	Overcoat	
					Min	Max
25° C	50%	30 Minutes	24 Hours	7 Days	7 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 3.8 sq. metres per litre corresponds to 100 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.

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## 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	ZINCANODE® 304	75 Microns
		2nd Coat	FERREKO® No 6	100 Microns
		1st Coat	LUXAPRIME® ZP	50 Microns
		2nd Coat	FERREKO® No 6	100 Microns
		3rd Coat	FERREKO® No 6 (Optional)	100 Microns
		1st Coat	LUXEPRIME® UMP	50 Microns
		2nd Coat	FERREKO® No 6	100 Microns
		3rd Coat	FERREKO® No 6	100 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.

**APPLICATION** 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** Brush application is suitable for small areas only. Roller application is not recommended. When brushing additional coats may be required to attain the specified thickness.

**CONVENTIONAL SPRAY** Thin up to 50ml/litre with Dulux® CR Reducer (965-63020) to aid atomisation. Apply in multiple wet coats overlapping each pass 50%. Ensure paint is regularly agitated during application to prevent separation.

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 (55-60 p.s.i.)

**AIRLESS SPRAY** Standard airless spray equipment such as a Graco 33:1 Bulldog or 45:1 Xtreme with a fluid tip of 21-25 thou (0.53-0.63mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Remove manifold and gun filters. Thinning is not normally required but up to 150 ml/litre of Dulux® CR Reducer (965-63020) may be added to ease application. Ensure paint is regularly agitated during application to prevent separation.

**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. Aluminium containing colours are not recommended for acidic and alkaline conditions. This product is not a decorative coating, and colour variations will occur due to different application techniques. Coatings containing micaceous iron oxide are prone to marring but this will not affect the protective properties.

**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. If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.

**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. Fight fire with foam, CO<sub>2</sub> 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](http://www.duluxprotectivecoatings.com.au)**

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PACKAGING Available in 10 litre pails  
 TRANSPORTATION WEIGHT 1.47 kg/litre (Natural Grey)  
 DANGEROUS GOODS Class 3 UN 1263

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