FERREKO® No. 6

Micaceous Iron Oxide Chlorinated Rubber Finish — PC 580

FEATURES
- EXCELLENT DURABILITY, WATER & CHEMICAL RESISTANCE
- HIGH BUILD TO 125 MICRONS
- FAST DRY
- EXTENDED RECOAT INTERVAL
- VERY LONG CASE HISTORIES ACROSS AUSTRALIA

USES

FERREKO® No 6 is a high build chlorinated rubber finish containing a high level of micaceous iron oxide. The micaceous iron oxide pigment particles interlock in the film to form a barrier against moisture ingress and improve resistance to degradation by UV light.

FERREKO® No 6 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® No 6 displays excellent intercoat adhesion and may be readily recoated after 6-8 hours or touched up after extended exposure.

SPECIFICATIONS

APAS 2910 - assessed and confirmed to meet all requirements on specific certified products. Refer to a Dulux Protective Coatings Consultant for more details.

RESISTANCE GUIDE

WEATHERABILITY	Excellent in all but the most aggressive chemical and marine environments	**SOLVENTS**	Resists splash and spillage of aliphatic solvents and mineral oils. Poor resistance to other solvents.
HEAT RESISTANCE	Up to 65°C dry heat	**WATER**	Excellent resistance to fresh and salt water but not suitable for immersion
SALTS	Natural Grey is suitable for splash and spillage of neutral and alkaline salt solutions. Bridge Grey is not suitable – see PRECAUTIONS.	**ALKALIS**	Natural Grey is suitable for splash and spillage exposure to most common alkalis. Bridge Grey is not suitable – see PRECAUTIONS.
ACIDS	Natural Grey is suitable for splash and spillage exposure to mild acids. Bridge Grey is not suitable – see PRECAUTIONS.	**ABRASION**	Good when fully cured

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Chlorinated rubber MIO finish
FINISH	Low sheen with subtle metallic lustre
COLOUR	Made to order only: Natural Grey Bridge Grey
COMPONENTS	One
VOLUME SOLIDS	37.7% (Bridge Grey)
VOC LEVEL	<540 g/L (Bridge Grey)
FLASH POINT	23°C
POT LIFE	Not applicable
MIXING RATIO V/V	Single Pack
THINNER	965-63020 Dulux® CR Reducer
PRODUCT CODE	247-50681 Natural Grey 247-50680 Bridge Grey

APPLICATION CONDITIONS

	Min	Max
Air Temp.	5°C	40°C
Substrate Temp.	5°C	40°C
Relative Humidity		85%

COATING THICKNESS (MICRONS)

	Min	Max	Recommended
Wet film per coat (µm)	200	335	270
Dry film per coat (µm)	75	125	100

SUITABLE SUBSTRATES	Suitably primed steel
PRIMERS	Specified Dulux® Protective Coatings primers
TOPCOATS	Not applicable
APPLICATION METHODS	Conventional, airless spray or air assisted spray

DRYING CHARACTERISTICS AT 100 µm DRY FILM THICKNESS*

					OVERCOAT	
Temperature	**Humidity**	**Touch**	**Handle**	**Full Cure**	**Min**	**Max**
25° C	50%	30 Minutes	24 Hours	7 Days	7 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
ASSUMING NO LOSSES

3.8 square metres per litre equals 100 µm dry film thickness
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–high corrosivity (AS2312.1 Cat C3–4)	Abrasive blast clean AS1627.4 Class 2.5	1st Coat 2nd Coat	Durezinc™ i90 Ferreko® No. 6	75 µm 100 µm
STEEL – NEW	Moderate – Coastal (AS2312.1 Cat C4-5-M)	Abrasive blast clean AS1627.4 Class 2.5	1st Coat 2nd Coat 3rd Coat	Luxaprime® ZP Ferreko® No. 6 Ferreko® No. 6	75 µm 100 µm 100 µm
PREVIOUSLY PAINTED SURFACES	Exterior	Clean, degrease and abrade the surface	1st Coat 2nd Coat 3rd Coat	Luxaprime® UMP Ferreko® No. 6 Ferreko® No. 6	50 µm 100 µm 100 µm

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

SURFACE PREPARATION

Specifiers should follow the surface preparation guidelines from the datasheet 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 the topcoat application has exceeded the recoat window of the primer (refer to primer data sheet) then the entire surface MUST be abraded.

APPLICATION

Mix thoroughly with a power mixer until uniform. Remix thoroughly during application to prevent settling.

BRUSH/ROLLER

Brush application is suitable for small areas only. Roller application is not recommended. When applying by brush 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 settling.

Typical Set-up		
	Graco AirPro:	1.8mm (239543)
	Pressure at Triton 308:	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 Xtreme 30:1 or 45:1 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 aid application. Ensure paint is regularly agitated during application to prevent settling.

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® 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/laser 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 (ie Bridge Grey) are not recommended for acidic and alkaline conditions. In warm weather apply a seal coat of Luxaprime® UMP or Luxepoxy® 4 White Primer to inorganic zinc coatings to eliminate bubbling of Ferreko® No. 6. This product is not a decorative coating, and colour variations will occur with different application techniques. Micaceous iron oxide coatings marr but this does not affect protective properties.

CLEAN UP

Clean all equipment with Dulux® CR Reducer (965-63020) immediately after use

OVERCOATING

Degrease with Gamlen CA 1 according to the data sheet. 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 (1,200-1,500 p.s.i.) to remove chalk and dust. Abrade surface to provide a good key for the new coating. Epoxies must be abraded if recoated outside the recoat window.

SAFETY PRECAUTIONS

Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or www.duluxprotectivecoatings.com.au

STORAGE

Store as required for a flammable liquid Class 3 in a bunded area under cover. Store in a 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 spraying, users must comply with their 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_2 or dry chemical powder. On burning will emit toxic fumes.

WELDING

Do not weld or flame cut through chlorinated rubber coatings. Grind off coating before welding.

COMPANY INFORMATION

Dulux Protective Coatings a division of

DuluxGroup (Australia) Pty Ltd
1956 Dandenong Road, Clayton 3168
A.B.N. 67 000 049 427

DuluxGroup (New Zealand) Pty Ltd
150 Hutt Park Road, Lower Hutt, NZ
A.B.N. 55 133 404 118

PACKAGING, TRANSPORT AND STORAGE

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