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

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.

WATER
Excellent resistance to fresh and salt water but not suitable for immersion

HEAT RESISTANCE
Up to 65°C dry heat

ALKALIS
Natural Grey is suitable for splash and spillage exposure to most common alkalis. Bridge Grey is not suitable – see PRECAUTIONS.

SALTS
Natural Grey is suitable for splash and spillage of neutral and alkaline salt solutions. 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

APPLICATION CONDITIONS

COLOUR
Made to order only:
Natural Grey
Bridge Grey

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

COMPONENTS
One

VOLUME SOLIDS
37.7% (Bridge Grey)

VOC LEVEL
<540 g/L (Bridge Grey)

FLASH POINT
23°C

WET FILM PER COAT (μm)
200 35 270

POT LIFE
Not applicable

DRY FILM PER COAT (μm)
75 12 5 100

MIXING RATIO V/V
Single Pack

COATING THICKNESS (MICRONS)

THINNER
965-63020 Dulux® CR Reducer

SUITABLE SUBSTRATES
Suitably primed steel

PRODUCT CODE
247-50681 Natural Grey
247-50680 Bridge Grey

PRIMERS
Most Dulux® single pack and two pack primers

APPLICATION METHODS
Conventional, airless spray or air assisted spray

TOPCOATS
Not applicable

DRYING CHARACTERISTICS AT 100 μm DRY FILM THICKNESS*

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Humidity</th>
<th>Touch</th>
<th>Handle</th>
<th>Full Cure</th>
<th>OVERCOAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°C</td>
<td>50%</td>
<td>30 Minutes</td>
<td>24 Hours</td>
<td>7 Days</td>
<td>7 Hours</td>
</tr>
</tbody>
</table>

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

SPREADING RATE
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.
**FERREKO® No. 6**

**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.

<table>
<thead>
<tr>
<th>SURFACE</th>
<th>ENVIRONMENT</th>
<th>PREPARATION GUIDE</th>
<th>SYSTEM</th>
<th>DFT (μm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STEEL – NEW</td>
<td>Medium-high corrosivity (AS2312.1 Cat C3–4)</td>
<td>Abrasive blast clean AS1627.4 Class 2.5</td>
<td>1st Coat Durezinc® 90</td>
<td>75 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Ferreko® No. 6</td>
<td>100 μm</td>
</tr>
<tr>
<td>STEEL – NEW</td>
<td>Moderate – Coastal (AS2312.1 Cat C4-6)</td>
<td>Abrasive blast clean AS1627.4 Class 2.5</td>
<td>1st Coat Luxaprime® ZP</td>
<td>75 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Ferreko® No. 6</td>
<td>100 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3rd Coat Ferreko® No. 6</td>
<td>100 μm</td>
</tr>
<tr>
<td>PREVIOUSLY PAINTED SURFACES</td>
<td>Exterior</td>
<td>Clean, degrease and abrade surface</td>
<td>1st Coat Luxaprime® UMP</td>
<td>50 μm</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2nd Coat Ferreko® No. 6</td>
<td>100 μm</td>
</tr>
<tr>
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<td></td>
<td></td>
<td>3rd Coat Ferreko® No. 6</td>
<td>100 μm</td>
</tr>
</tbody>
</table>

**NOTE:** If 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 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 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 (239643)
  - 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.

**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 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, CO₂ 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

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