FERREKO® No. 5
Micaceous Iron Oxide Water Borne Acrylic
PC 570

FEATURES
- WATER BORNE – EASY CLEAN UP
- LOW ODOUR
- USE OVER ZINC RICH PRIMERS WITHOUT MIST COATING
- EXCELLENT UV DURABILITY

USES
FERREKO® No. 5 is a single-pack water borne acrylic emulsion coating with micaceous iron oxide for excellent durability particularly as a topcoat system over zinc rich primers. 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. 5 is recommended on structural steelwork, cranes, tanks and exposed pipelines and industrial plant in mild to moderate situations not subject to high physical abrasion.

SPECIFICATIONS
AS/NZS 3750.16

RESISTANCE GUIDE

WEATHERABILITY
Excellent

SOLVENTS
Fair. Not recommended for areas subject to splash and spillage

HEAT RESISTANCE
Up to 90°C dry heat

WATER
Withstands rain and condensation for prolonged periods

SALTS
Unaffected by splash and spillage of neutral salt solutions

ALKALIS
Not recommended for alkaline conditions.

ACIDS
Not recommended for acidic conditions.

ABRASION
Good for a single pack coating when fully cured

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION
Single pack water borne micaceous iron oxide acrylic

APPLICATION CONDITIONS

FINISH
Flat with low metallic lustre

COLOUR
Natural Steel Grey
Mid Grey
St Enoch Grey

APPLICATION CONDITIONS

COATING THICKNESS (MICRONS)

Wet film per coat (μm)
Min 100
Max 145
Recommended 120

Dry film per coat (μm)
Min 40
Max 60
Recommended 50

SUITABLE SUBSTRATES
Suitably primed steel, concrete, aluminium and galvanised steel

PRIMERS
Dulux® single pack and two pack primers

TOPCOATS
N/A

APPLICATION METHODS
Brush, roller, conventional, airless spray or air assisted spray

DRYING CHARACTERISTICS AT 50 μm DRY FILM THICKNESS*

Temperature Humidity Touch Handle Full Cure Min Max
25°C 50% 30 Minutes 2 Hours 7 Days 2 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
8.3 square metres per litre equals 50 μm dry film thickness

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness.

PC 570
August 2018
FERREKO® No. 5

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.

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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 the data sheet) the surface MUST be abraded.

APPLICATION

Mix thoroughly using a power mixer until the contents are uniform. Stir paint regularly during application to prevent settling.

BRUSH/Roller

Suitable for small areas only. Apply even, heavy coats of the mixed material to the prepared surface. When brushing and rolling additional coats may be required to attain the specified thickness.

CONVENTIONAL SPRAY

Thin up to 50ml/litre with clean potable water to aid atomisation. Apply in multiple wet coats overlapping each pass 50%. Agitate paint regularly during application to prevent settling.

TYPICAL METHODS

Typical Set-up

Graco AirPro: 1.4mm (239542)
Pressure at Triton 308: 70-100 kPa (10-15 p.s.i.)
Pressure at Gun: 380-410 kPa (55-60 p.s.i.)

AIRLESS SPRAY

Standard airless spray equipment such as a Graco Xtreme 30:1 with a fluid tip of 19 thou (0.48mm) 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 50 millilitre of clean potable water 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® Consultant 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 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. At 25°C and 50% relative humidity, 16 hours drying is required to attain water resistance and 7 days drying to attain full hardness and resistance properties. When overcoating zinc rich coatings ensure that the surface is free of visible moisture or dew. 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 clean warm water followed by a solvent as per the recommendations of the spray equipment manufacturer.

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 their 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 in well-ventilated cool area. Keep containers closed at all times.

HANDELING

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 and surface must comply with their respective State Spray Painting Regulations.

WELDING

This product is non flammable. On burning will emit toxic fumes. Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

COMPANY INFORMATION

Dulux Protective Coatings a division of DuluxGroup (Australia) Pty Ltd
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DuluxGroup (New Zealand) Pty Ltd
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PACKAGING, TRANSPORT AND STORAGE

PACKAGING

Available in 4 litre containers

TRANSPORTATION WEIGHT

1.59 kg/litre

DANGEROUS GOODS

Non Dangerous Goods

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