

FERREKO[®] No 5

Water Borne Micaceous Iron Oxide Acrylic Finish

PC 570

- FEATURES**
- WATER BORNE – EASY CLEAN UP AND NO STRONG SOLVENT ODOUR
 - USE OVER INORGANIC ZINC RICH PRIMERS WITHOUT MIST COATING
 - EXCELLENT UV DURABILITY IN COASTAL OR SALT ENVIRONMENT

USES FERREKO[®] No 5 is a one-pack acrylic resin-micaceous iron oxide finish with excellent durability particularly as a topcoat system over zinc rich primers. The pigment interlocks in the film to reduce moisture permeability and improve resistance to degradation by UV light.
FERREKO[®] No 5 is recommended on structural steelwork, wharf facilities, cranes, tanks and exposed pipelines and industrial plant in all applications not subject to high physical abrasion.

SPECIFICATIONS AS/NZS 3750.16

RESISTANCE GUIDE

HEAT RESISTANCE	Up to 90°C dry heat.	ALKALIS	Suitable for splash and spillage of mild alkali. Aluminium containing colours are not recommended for alkaline conditions.
WEATHERABILITY	Excellent gloss and colour retention on exterior exposure.	SALTS	Unaffected by splash and spillage of salt solutions. Aluminium containing colours are not recommended for alkaline conditions.
SOLVENTS	Fair. Not recommended for areas subject to splash and spillage.	WATER	Withstands rain and condensation for prolonged periods.
ACIDS	Suitable for splash and spillage exposure to weak solutions of inorganic acids. Aluminium containing colours are not recommended for acidic conditions.	ABRASION	Good for single pack coating.

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Micaceous iron oxide Acrylic	APPLICATION CONDITIONS	Min	Max	
FINISH	Low metallic lustre	Air Temperature	10°C	45°C	
COLOUR	MTO Only - Structural Green, St Enoch Grey and Mid Grey	Substrate Surface Temperature	10°C	45°C	
		Relative Humidity		85%	
COMPONENTS	One		Min	Max	Recom.
SOLIDS BY VOLUME	45% (Structural Green)	Wet film per coat (microns)	90	135	110
VOC LEVEL	<80 g/L (Structural Green)	Dry film per coat (microns)	40	60	50
FLASH POINT	Non flammable	SUITABLE SUBSTRATES	Suitably primed steel, prepared concrete, aluminium and galvanised steel.		
POT LIFE	Not applicable	PRIMERS	Single and two pack primers.		
MIXING RATIO (V/V)	Single Pack	APPLICATION METHODS	Brush, roller, conventional, airless spray or air assisted spray.		
THINNER	Water				
PRODUCT CODE	647-63108 Structural Green (MTO) 647-63006 Mid Grey (MTO) 647-00806 St Enoch Grey (MTO)				

Drying characteristics at 50 microns dry film thickness

Temperature	Humidity	Touch	Handle	Full Cure	Overcoat	
					Min	Max
25° C	50%	30 Minutes	2 Hours	7 Days	2 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 9.0 sq. metres per litre corresponds to 50 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	1st Coat	LUXAPRIME [®] ZP	75 Microns
		2nd Coat	FERREKO [®] No 5	50 Microns
	Abrasive blast AS1627.4 Class 2.5	1st Coat	ZINCANODE [®] 304	75 Microns
		2nd Coat	FERREKO [®] No 5	50 Microns
		3rd Coat	FERREKO [®] No 5	50 Microns
ALUMINIUM	Clean, degrease and abrade surface	1st Coat	LUXEPOXY [®] 4 White Primer	50 Microns
		2nd Coat	FERREKO [®] No 5	50 Microns
		3rd Coat	FERREKO [®] No 5	50 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.

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 Apply even coats of the mixed material to the prepared surface. Do not thin. 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%. Ensure paint is regularly agitated during application to prevent separation.

Typical Set-up

Graco Delta Gun: 1.4mm (239542)
 Pressure at Pot: 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 33:1 Bulldog 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 ml/litre 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[®] 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 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. 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 mineral turpentine 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 in well-ventilated cool area. 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 non flammable. 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

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PACKAGING	Available in 15 litre pails
TRANSPORTATION WEIGHT	1.49 kg/litre (Structural Green)
DANGEROUS GOODS	Non Dangerous Goods

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