

TECHNICAL INFORMATION SHEET**230 MIO ZINC PHOSPHATE HIGH BUILD**

MIO Zinc Phosphate Anticorrosive Primer-Finish

July 2020

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Description and uses:

230 High-Build primer-finish contains a blend of both micaceous iron oxide and zinc phosphate pigments. 230 High Build primer finish gives superior performance for moisture resistance compared to conventional zinc phosphate primers. Suitable for application where only power and hand tool abrasion is possible.

- Paint for Steel Structures: Specification AS/NZS 3750.19 Type 1
- Non-toxic anticorrosive pigments.
- Quick drying.
- High film builds with no sagging.
- Resists rain and condensation.
- Suitable primer for all Lacnam Enamels.

Typical areas of application are:

- Structural steel, trusses etc.
- Cranes, earthmoving and mining equipment.
- Transportation and materials handling industries.

Technical Specifications:

FINISH: Matt grey colour.

THINNERS: T195 or T102.

VOLUME SOLIDS: >45.0%

VOC: 450 gms/litre

COVERAGE: 6.0 - 6.5 Square metres per litre (at a D.F.T. of 75 microns).

RECOMMENDED FILM THICKNESS MICRONS:

	Wet	Dry
Minimum:	110	50
Maximum:	200	90
Recommended:	165	75

APPLICATION: Brush, Roller and Spray.

DRYING AT 25°C / 50% Humidity: Touch dry - 30 minutes
Recoat - 2 hours
Hard dry - Over night

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APPLICATION DETAILS – PAINTING SYSTEMS				
D.F.T.um				
System 1	Environmental Corrosivity AS/NZS 2312 C1-2	1st Coat	50-75	230 High-Build (Thinner T195 or T102)
		2nd Coat	50-75	Optional 230 High-Build (Thinner T195 or T102)

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System 2	Environmental Corrosivity AS/NZS 2312 C1-3	1st Coat	50-75	230 High-Build (Thinner T195 or T102)
		2nd Coat	25-45	310,300,390,480 enamel (Thinner T102 or T104)

APPLICATION DETAILS – SURFACE PREPARATION		
SUBSTRATE	DETAILS	RECOMMENED SYSTEM
Steel	Power tool clean to AS1627.2 class 2 Or abrasive blast clean to AS1627.4 Class 2	1 or 2

Surface Preparation:

- When overcoating; Aged paint coatings should be tested for adhesion using Crosshatch or Crosscut methods. If aged paint coating lifts remove it.
- Remove all rust, oxides, millscale and loose paint from metal surface.
- Round off all sharp edges, welding joints and weld spatter.
- All surfaces to be painted should be clean and free from dust, dirt, oil, grease and moisture.
- All abrasive blast clean ferrous surfaces should be coated within 4 hours to avoid flash rusting.
- Do not apply at temperatures below 5° Celsius. Do not apply at relative humidity above 85%, or when the substrate surface is less than 3° Celsius above dewpoint.
- Applied 230 High Build coating subjected to exterior exposure for extended period should be accessed for “Chalking” before applying suitable topcoat to achieve optimum inter-coat adhesion

Note: This product is not suitable for permanently damp or immersed environments.

Equipment Application: (Conventional or Airless Spray Recommended).

As a Guide Use:

Brush or Roller - Suitable for small areas only.

Conventional Spray - 1.5 -2.0mm tip (or equivalent). Pressure pot set at 55 - 100kpa (8 - 15psi) and maintain gun air pressure 275 - 380kpa (40 -55psi).

Airless Spray – Use heavy-duty airless spray with 10 -15 “(0.25 – 0.38mm) plus tip and pump ratio 30:1

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Application Thinning:

Brush or Roller – Suitable for small areas only; May require Slow or Retarding Thinners (T195 or T122), to improve brushability. Thin initially 5%, then increase to suit.

Conventional Spray -Thin approximately 15 - 20% and apply.

Airless Spray - Thin approximately 5 - 10% and apply.

Clean Up - T102, T195 or T134 All Purpose Thinner.

Safety Instructions:

Storage: Store in a cool, dry bunded area out of direct sunlight as required for Flammable liquids DG Class 3, PG II, Hazchem 3(Y)E.

Flammability: Highly flammable, all sources of ignition must be eliminated in or near area of use, all burning fumes emitted are toxic. Do not smoke in immediate area.

Handling: Adopt adequate Occupational Work Practices to avoid personal contamination with product. Always wash hands before smoking, eating, drinking, or using toilet. Food and Drink should be stored and consumed in separate area.

Personal Protection: Avoid contact with skin or eyes; wear suitable clothing such as impervious overalls, PVC or neoprene gloves, safety goggles and face mask.

Using: Avoid inhalation of spray mist and vapours – use with adequate ventilation and suitable Personal Protection Equipment (PPE).

Engineering controls: Ensure ventilation is adequate. When spraying, ensure product is applied in a fully functional spray-booth. Keep containers closed when not in use. Do not use near ignition sources.

REFER SDS BEFORE USE

(Phone 02 9688 1999 or refer to www.lacnam.com.au for copy SDS)

Although this information is presented in good faith and compiled from sources believed to be accurate, Lacnam Paints make no representations or warranty as to the completeness or accuracy thereof. As the product's performance and suitability depends on various factors, the purchasers of our products should determine for themselves whether the product is suitable for their particular use.