



LACNAM PAINTS AUSTRALIA

ABN 48 125 092 482

78-80 MANDOON, ROAD, GIRRAWEE, SYDNEY  
NSW 2145 AUSTRALIA

TELEPHONE: (02) 9688 1999 FACSIMILE: (02) 9896 1606

EMAIL: [sales@lacnam.com.au](mailto:sales@lacnam.com.au) WEBSITE: [www.lacnam.com.au](http://www.lacnam.com.au)

## TECHNICAL INFORMATION SHEET

# 272 COLD CALV

Zinc Rich Primer

March 2009

TDS 272 page 1 of 3

### Description and uses:

272 Cold Calv is an epoxy ester zinc rich primer designed to provide galvanic protection to steel surfaces. The main features are:

- Single pack convenience.
- Can be used in combination with a wide range of decorative and heavy duty coatings.
- Weldable in thin coats (10 -15microns).
- Dry film heat resistant to 200°C.
- Suitable for repairing damaged inorganic zinc silicates, wrought iron and galvanized steel.

Typical areas of application are:

- Structural steel, tanks, bridges, cranes, pipelines, wharf and shore installations.
- As a prefabrication primer at 10 -15 microns dry film thickness. Subsequent welding operations can be carried out without impairment of weld quality, and steel prepared this way will have good weathering performance and will remain substantially rust-free even during long construction periods.

### Technical Specifications:

FINISH: Matt Grey.

THINNERS: T102 or T195

VOLUME SOLIDS: 40 %.

COVERAGE: Approximately 8.0 - 10 Square metres per litre (at a D.F.T. of 50 microns).

RECOMMENDED FILM THICKNESS: 40 - 60 microns.

APPLICATION: Conventional, Airless Spray Brush or Roller.

DRYING AT 25°C / 50% Humidity: Touch dry – 30 minutes

Recoat – After 16 Hours

Hard dry – Over night.

# 272 COLD CALV

March 2009

TDS 272 page 2 of 3

<b>APPLICATION DETAILS – PAINTING SYSTEMS</b>			
D.F.T. um			
System 1	1 <sup>st</sup> Coat	40-60	272 Cold Calv (Thinner T102 or T195)
	2 <sup>nd</sup> Coat	40-60	272 Cold Calv (optional) (Thinner T102 or T195)

D.F.T. um			
System 2	1 <sup>st</sup> Coat	40-60	272 Cold Calv (Thinner T102 or T195)
	2 <sup>nd</sup> Coat	25-30	260 Key-Coat (Thinner T166)
	3 <sup>rd</sup> Coat	25-40	Any Lacnam Enamel, optional 2 <sup>nd</sup> coat if required. (Thinner T102 or t104)

D.F.T. um			
System 3	1 <sup>st</sup> Coat	40-60	272 Cold Calv (Thinner T102 or T195)
	2 <sup>nd</sup> Coat	25-30	260 Key-Coat (Thinner T166)
	3 <sup>rd</sup> Coat	50-75	720 Iso-Free, 2 <sup>nd</sup> coat optional. (Thinner T154 or slow T156 or T159)

<b>APPLICATION DETAILS – SURFACE PREPARATION</b>		
SUBSTRATE	DETAILS	RECOMMENDED SYSTEM
Steel	Power tool clean to AS1627.2 class 2 Or abrasive blast clean to AS1627.4 Class 2	1,2 or 3
Previously exposed zinc coated steel	Decrease with cleaning solvent or Wax and Grease Remover, wash down with clean water to remove zinc salts from the surface and allow to dry.	1,2 or 3
Galvanized and zinc coated steel.	Decrease with cleaning solvent or Wax and Grease Remover.	1,2 or 3

## 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 272 Cold Calv subjected to exterior exposure for extended period of time should be accessed for “Chalking and Zinc Salts” before applying suitable topcoat to achieve optimum intercoat adhesion.

# 272 COLD CALV

March 2009

TDS 272 page 3 of 3

## **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

## **Application Thinning:**

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

Conventional Spray – Thin approximately 20% and apply.

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

Clean Up – T102 or T195 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, on 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 to 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 MSDS BEFORE USE**

(Phone 02 9688 1999 or refer to [www.lacnam.com.au](http://www.lacnam.com.au) for copy MSDS)

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.