



ECZ Cold Galvanizing

Zinc Rich Epoxy Cold Galvanising

Data Sheet

FEATURES

Advantages:

- Single pack zinc rich coating
- Mineral turps thinned
- Easy Application

Performance Data:

- Abrasion resistance - Good
- Heat resistance - to 200°C (dry)
- Solvent resistance - resists splash and spillage of most aliphatic hydrocarbons
- Weatherability – should be top-coated for maximum durability

Limitations:

- Not designed for immersion environments
- Not compatible with two pack coatings

RECOMMENDED USES

ECZ Cold Galvanizing is zinc rich coating based on epoxy ester resins.

It is excellent for use as a corrosion resistant primer for a variety of applications. It is most suitable as part of a single pack, two or three coat system.

This product has been specially formulated for easy application.

Recommended Uses:

ECZ Cold Galvanizing is used as a heavy-duty primer for atmospheric corrosion protection for iron and steel.

Ideal to provide cathodic protection on a wide range of structures:

- Industrial and Commercial buildings
- Bridges
- Cranes
- Pipelines and pipe bridges
- Tanks

ECZ Cold Galvanizing is also used for the repair of damaged galvanized iron.

SPECIFICATION DATA

Coating Type: Single Pack Zinc Rich Coating
Colour: Grey
Packaging: 1 litre and 4 litre
 Single component
Availability: Australia only
Mix Ratio: n/a
Gloss: Matt
Flash Point: 32°C Setaflash
Thinner: Altex Thinner #45 - Brush
 Altex Thinner #53 - Spray
Pot Life: n/a
Induction Time: n/a
Shelf Life: Store under cool dry conditions

Density: 1.70 kg per litre
Temperature Resistance: 200°C dry
Volume solids: 40 %
Theoretical Coverage Rate:
 8.0 sq. metres per litre at 50 microns dry
Recommended Film Thickness Per Coat:
 125 microns wet to obtain 50 microns dry
Application: Spray, Brush or Roller
Dry Times (50µm DFT / 50% RH):

	5°C	10°C	25°C	30°C
Min. Topcoat	48 hrs	36 hrs	24 hrs	24 hrs
Max. Topcoat:	30 Days, all conditions			

SURFACE PREPARATION

All surfaces to be coated should be clean, dry and free from contamination. Oil or grease should be removed in accordance with AS1627.1 solvent cleaning with Altex C50 Surface Cleaner. Clean to remove all grit dust and debris and ensure the surface is dry.

New Steel Surfaces:

For the best results blast to a commercial blast, equivalent to AS1627.4 Class 2 (SSPC SP6). The steel profile after blasting should be 35 to 50 microns in depth and be of a jagged nature as opposed to a peen pattern.

For mild conditions power tool cleaning to AS1627.2 (SSPC SP3) or hand tool cleaning to AS1627.7 (SSPC SP2) may be satisfactory.

Previously Painted Surfaces:

Degrease with either a suitable non-ionic detergent, (such as Altex P40 Prepainting Cleaner), or solvent wipe with Altex C50 Surface Cleaner in accordance with AS1627.1 (SSPC SP1) solvent cleaning.

Repair to Galvanised Steel and Electrodeposition Zinc Surfaces:

All traces of dichromate passivation must be removed. Either spot abrasive blast, or mechanically abrade (to SP3) damaged galvanising. Feather back edges to clean, sound galvanising. Apply a spot coat of ECZ to bare metal surfaces.

DIRECTIONS FOR USE

Mixing:

Use mechanical agitation for proper mixing to ensure uniform condition. Stir until thoroughly mixed.

Thinning:

Thinning maybe required to assist application. Any solvent addition should be made after the component is thoroughly mixed. Excessive thinning can cause low film thickness and coating defects. Thin with Altex Thinner #45.

Clean-up:

Use Altex Thinner #45 or #53.

Application:

The preferred method of application for ECZ Cold Galvanising is spray. Small areas may be brush or rolled if conditions are suitable, however care must be taken to ensure that the correct film thickness is obtained.

Suggested spray equipment:

Conventional Air Spray

1.4mm to 2.2mm Fluid tip with appropriate air cap

Airless Spray

Pump Ratio	30:1
Material Hose	3/8" I.D min
Tip Size	0.015 – 0.019

(Note: The above is a guide. Other equipment to the above may be used.)

PRECAUTIONS

For industrial use only: Read and follow all the caution statements on this Product Data Sheet, the product label and the Material Safety Data Sheet (MSDS) for health and safety information prior to use.

ECZ Cold Galvanising is flammable. Keep away from heat, sparks and open flame. Use with adequate ventilation. May cause eye and skin irritation. Do not breathe vapour or spray. Wear suitable protective clothing such as gloves and eye and face protection.

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