

FEATURES

Advantages:

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

Performance Data:

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

RECOMMENDED USES

ECZ Cold Galvanising is zinc rich paint based on epoxy ester resins, which protect steel from corrosion.

This product contains metallic zinc, which allows for electrical contact to be made with the steel surface being coated.

The metallic zinc is then sacrificed in preference to the steel, when exposed to corrosive environments, therefore ensuring long-term protection of the steel surface.

This product has been specially formulated for easy application and is mineral turps thinned.

Recommended Uses:

- ECZ Cold Galvanising is used as a heavy-duty primer for atmospheric corrosion protection for iron and steel. It is most often used on structural steelwork in industrial and commercial environments, especially for the protection of buildings, bridges, cranes, pipelines and tanks. This product 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
Mix Ratio:	n/a
Gloss	Matt
Flash Point:	32 °C Setaflash
Thinner:	Mineral Turpentine
Pot Life:	n/a
Induction Time:	n/a
Shelf Life:	Store under cool dry conditions

Density: 1.70 kg per litre

VOC:

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):

Recoat – minimum:	5°C	10°C	25°C	30°C
Single pack	48 hrs	36 hrs	24 hrs	24 hrs

Recoat – maximum:	5°C	10°C	25°C	30°C
Single pack	n/a	n/a	n/a	n/a

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. Surface defects revealed by the preparation process, should be ground, filled, or treated in the appropriate manner. Clean to remove all grit dust and debris and ensure the surface is dry.

Steel Surfaces:

Abrasive blast to AS1627.4 Class 2 ½ to achieve a uniform blast profile between 38 to 63 microns and a jagged nature as opposed to a peen pattern. A lesser degree of cleaning will reduce the service life of the coating.

Galvanised Steel and Electrodepositing Zinc Surfaces:

All traces of dichromate passivation must be removed. Sweep abrasive blast with non metallic media or thoroughly sand with synthetic scouring pad to provide a uniform matt finish.

Previously Painted Surfaces:

Clean with Altex P40 Cleaner. Remove loose and peeling paint. Prepare all corroded and damaged paint areas in accordance with the preparation required for the applicable primer. Feather back edges to a sound clean existing coating. Abrade all existing coating to provide a fine matt finish. Clean to remove all grit dust and debris and ensure the surface is dry.

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.

Clean-up:

Use Mineral Turpentine.

Application:

The preferred method of application for Duroprime HB 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 is:

Air Spray: DeVilbiss JGA 544 Gun, 'E' Tip and 704 Air Cap or equivalent. Adjust fluid and air pressure to achieve a good spray pattern.
Airless Spray: Graco 30 to 1 pump or equivalent and 017 to .019 range tip sizes.

Note: Other equipment equivalent to the above may be used.

PRECAUTIONS

For industrial use only.
See the Altex Coatings Limited General Safety Data Sheet, product label and 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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