

ECHO ZINC RICH EPOXY PRIMER

• DESCRIPTION & FIELD OF APPLICATION

Echo zinc rich primer is a two component polyamide cured zinc rich epoxy coating. It is a very high zinc dust containing product that provides excellent corrosion protection and undercutting protection. Excellent for use in industrial, marine and freshwater environments. May be used on structural steel, steel tanks, offshore platforms, barges refineries, petrochemical plants, power plants, railcars, pulp & paper mills and other areas as recommended. May also be used to field touch-up inorganic zinc and/or provide galvanic protection for properly prepared steel substrates.

It offers good operational performance including adhesion, abrasion scratches, impact, humidity condensation and splashes of mild chemicals, when applied over suitable and properly primed surfaces.

Recommended for use as a primer or a finish coat over steel, As an excellent corrosion preventive primer on exterior and interior steel surfaces of structural steel, pylons, marine locations, pipe lines, refineries, petroleum and chemical plants, sewage works, storage tanks, machinery, ship-building steel plates, bridges, fertilizer factories, water reservoirs as well as for steel to be encased in concrete (dowel bars etc...) and for cuts, scratches, welds of galvanized steel.

• MAIN FEATURES

- High load epoxy zinc dust primer
- Provides excellent galvanic protection
- Easy to topcoat
- Rapid and extended recoat windows
- Excellent adhesion to hand tool cleaned surfaces
- Non-toxic after drying
- Excellent resistant to alkalis, water, chemicals & weather effects.
- Provides galvanic corrosion protection to mild steel
- May be over coated with most heavy duty topcoats
- Excellent wetting and penetration properties
- Flexible films with excellent adhesion
- Air dries quickly-set to touch in one hour
- Up to 5 mils dry film thickness per coat
- Can be applied over a wider range of temperatures and relative humidities
- Excellent resistance against UV radiation
- Easy brush or spray application

- **PHYSICAL SPECIFICATIONS**

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| - Appearance | - Gray/Matte Finish |
| - Main pigment Zinc Dust in total pigments | - 96% |
| - Solid volume | - 41% |
| - Solid weight | - 77% |
| - Zinc Dust in non-volatile of paint | - 81% |
| - Density kg/L | - 2.2 |
| - Dry Film Thickness | - 15- 25µm |
| - Wet Film Thickness | - 35-58µm |
| - Theoretical Spreading Rate | - 10 m ² /L per coat* |
| - Flash Point | - 42°C |
| - Solvent for Thinning & Clean Up | - Thinner (Max 10%) |
| - Drying Time (at 25°C) | - Touch dry: approx 1 hours
Hard dry: 24 hours
Recoat: 48 hours |

*Practical coverage will depend on surface profile, method of application & losses.

- **SURFACE PREPARATION**

A. New surfaces

Sand-blasting is recommended, Substrate must be dry and free of contamination. Remove all weld splatter and grind all rough welds and sharp edges to a smooth contour.

B. Previously painted surfaces

1. Previously painted surfaces must be sound and in good condition, and free of oil, grease or other contamination. For best results, spot blast exposed areas to be primed. Power tool brushings may be used for minor touch-up.

- **APPLICATION GUIDE**

1. The surface must be free from dust, grease, oil and other contaminants.
2. Surface temperature during application must not be less than 10°C; the surface moisture should not exceed 8% and the relative humidity at work place must not to exceed 70%.
3. Paint should be stirred carefully before use.
4. Do not apply on wet and moistened surfaces until get completely dry.

- **INSTRUCTIONS FOR APPLICATION**

- **Spray gun:** Recommended nozzle size: (1.5 – 1.8) mm.
Thinning ratio (0 - 10) % by volume
- **Roller:** Recommended type: Soft and smooth woolen roller.
Thinning ratio (0 - 10) % by volume
- **Brush:** General / Normal type
Thinning ratio (0 - 10) % by volume

- **COLOR**

- Gray.

- **PACKING**

- 19-liter Pail - 1 US gallon – 1Kg.

- **REMARKS**

- Stir well before use.
- Avoid application below 5° C or over 85% relative humidity
- After using, clean the application tools immediately with thinner.
- Avoid contact with skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapor or spray.
- All liquid paints should be kept away from children's reach.
- For more information, please do not hesitate to contact our Technical Department.

- **STORAGE**

- The product must be kept in cool well-ventilated place, protected from sunlight and heat.
- Containers must be kept tightly closed after partial usage.
- containers should not be stored after adding thinner
- Storage life: up to 5 years from date of production, if stored as stored as previously mentioned.



ECHO PETROLEUM TANK PAINT

• DESCRIPTION AND RECOMMENDED USE

Echo Petroleum tank coating is a high build aliphatic polyester polyurethane coating. It is designed to provide corrosion protection for steel petroleum tanks, and properly prepared and primed concrete surfaces and masonry in moderate-to-severe environments.

It is used for the protection of aircraft fuel tanks against corrosion from fuel contaminants.

It provides outstanding performance and excellent long term gloss and color retention. It is available in a virtually unlimited color range, in both gloss & satin finishes. It is a high performance chemical and stain resistant coating which performs well in a variety of aggressive environments.

• TYPICAL APPLICATIONS

- It is used to provide heavy-duty protective, waterproof, and flexible coating. Uses include the lining of tanks, pipes and ducting, coating concrete, fiber reinforced cement, steel pipes and non-ferrous metals.
- It is suitable for use in offshore or marine environments and sewerage work applications such as aeration tanks, clarifiers, and permanent submerged condition where chemical resistance is of paramount importance.

• MAIN FEATURES

- Superior durability
- Excellent petrochemical resistance (fuels and crude)
- High impact resistance
- Superior adhesion to steel
- Excellent hot water resistance
- Excellent abrasion resistance
- UV light resistant
- High build coating
- Easy application: brush, roller or spray
- Excellent chemical resistance to aqueous media
- Excellent resistance to most alkalies
- Seamless finish
- Long-term corrosion protection