

ECHO ZINC PHOSPHATE POLYURETHANE PAINT

• DESCRIPTION & FIELD OF APPLICATION

Echo zinc phosphate paint is a high build, oil modified polyurethane based product, which contains zinc phosphate and micaceous iron oxide pigments, which used as topcoat in atmospheric environments. It provides a durable gloss and colour retention topcoat finish, which also incorporates a wide range of performance characteristics. 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.

The high build nature of the product allows up to 75 microns DFT in one coat. Recommended for use as a primer or a finish coat over steel, especially in atmospheric environments, and on surfaces subjected to damp and humid weather conditions. It is also suitable for ferrous metal substrates, structural steel, steel tanks, containers & industrial equipment, aluminum and wooden substrates.

• MAIN FEATURES

- Weathering durability, gloss and colour retention
- Non-yellowing and does not chalk easily
- Resistant to splashes of mild, non aggressive chemicals
- Good application properties, flow and levelling
- Long recoatability property, can be recoated even after long exposure
- Excellent protection and adhesion to steelwork
- Primer/finish coat

• PHYSICAL SPECIFICATIONS

- | | |
|--------------------------------------------|--------------------------------------------------|
| - Finish | - Gloss |
| - Color | - Wide range of colors possible |
| - Volume Solids | - 63% |
| - Weight Solids | - 75% |
| - Non-volatile vehicle (resins), by weight | - 44% |
| - Density | - 1.24 kg/L |
| - VOC content | - 310 g/L |
| - Specific gravity | - 1.20 (mixed paint) |
| - Theoretical Coverage | - 10.5 m ² /liter @ 40 microns DFT |
| - Drying Time at 25°C | - Touch Dry: 1 hour |
| | Hard Dry : 12 hours |
| | Recoating Interval: 8 hours ^(minimum) |

- **SURFACE PREPARATION**

- A. New Ferrous Metal**

- Surface generally must be clean, free from rust, oil, grease, dust, and other contaminants; and must be thoroughly dried before application.
 - Steel surface must be manually wire brushed or power tool cleaned to remove all rust or loose mill scale. Then it is primed with Echo zinc phosphate paint.

- B. Previously Painted Ferrous Metal**

- Previously painted surfaces should be thoroughly rubbed down using a suitable abrasive paper and then dusted off. any loose or flaking paint film must be scraped off.
 - Rust should be thoroughly removed (for optimum performance through wire brushing or power tool cleaning) .The entire surface must be dry and free from dust, grease, and other contaminants. Spot prime any surface imperfections with Echo zinc phosphate paint.

- **INSTRUCTIONS FOR APPLICATION**

- **Brush / Roller:** Dilute up to 5% of White Spirit / Turpentine if necessary
 - **Conventional Air Spray:** Dilute up to 20% of xylene
 - **Airless Spray:** Dilute up to 5% of xylene

- **COLORS**

- White, grey, red, and selected range of colors

- **PACKING**

- 19-liter Pail -1 US gallon

- **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.
 - Storage life: up to 5 years from date of production, if stored as suggested.

- **REMARKS**

- Stir well before use.
- Avoid application below 5° C or over 85% relative humidity
- After painting, clean the application tools immediately with white spirit.
- 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.