

General Description:

EPOXY ZINC RICH ZD PRIMER is two-component zinc rich undercoat based on epoxy resins and polyamide hardeners. It is fast drying with excellent abrasion resistance, which reduces handling damages.

Major Uses:

An organic zinc primer for sand blasted steel, metallic surfaces that requires high performance and anti – corrosive properties. Suitable for a wide range of high performance topcoats.

Characteristics and Physical Properties:

Colour	Gray
Finish	Matt
% Volume solids	60%
Mixing ratio	4 : 1
Flash point	25 ^o C
Specific gravity	2.19 kg/L (mixture)
DFT	50 microns
WFT	83 microns
Coverage	12 m ² /L

Application Details:

Method of Application	Airless and conventional spray, brush, roller		
Dilution rate	Not normally required, if necessary, use Thinner # 135		
Pot life @ 30 ^o C	8 hours		
Drying time			
Substrate temp.	5 ^o C	25 ^o C	35 ^o C
Touch dry	45'	30'	20'
Hard dry	2 hrs	1 hr	30'
Overcoat interval	24 hrs	4 hrs	2 hrs

Surface Preparation:

New - Steel:

Abrasive blasting to minimum Sa 2 ½. For temporary protection, if required use suitable shop primer. All damaged primers and contamination from storage and fabrication should be thoroughly cleaned prior to final painting

Others metals, G.I. Steel and Alloys:

Thorough degreasing and abrading to remove all contamination and to ensure the proper adhesion prior to final coating.

Maintenance:

Remove oil, grease, and other contaminants by washing with thinner. Rust and loose material must be removed by power tool cleaning or wire brushing.

Application method and conditions:

Airless Spray

Tip range - 0.4 – 0.5 mm.
Pressure - 2500 psi.

Brush or Roller

Suitable for touch– up and small area only.

Conventional Spray:

Use any suitable equipment with agitated paint container. Use only where application and curing can proceed at temperature 10^oC. The temperature of the paint and the surface self must be above this limit.

Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

Storage:

Keep resins and hardeners in a cool place below 25^oC. Keep the container tightly closed. Shelf life of 12 months minimum.

Physiological Hazards:

EPOXY ZINC RICH ZD PRIMER does not contain dangerous solvents. Nevertheless, good ventilation in working rooms is recommended as well as the use of safety tools and equipment. The mixture, in its liquid state is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.

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