



MASTER EPOXY ZINC Phosphate Primer Red Oxide
Material Safety Data Sheet

A two pack epoxy zp primer.

Research and Development Department
Master Paint Industries (Pvt.) Ltd.
Phone : 0 4 2 - 111 - 333 - 465,
E-Mail : info@masterpaints.com
01-Jan-2024



WWW.MASTERPAINTS.COM

*MASTERS Epoxy ZP Primer
Data Sheet*

PRODUCT INFORMATION

Description: Epoxy Primer ZP is a two-component polyamide cured epoxy primer based on zinc phosphate pigment. Specially formulated to provide excellent corrosion, chemical and water resistance, with a high-performance high build coating.

Recommended Use: An anti-corrosive primer and / or intermediate coating for corrosion protection of steel and other substrates in atmospheric exposure.

Product Features Anticorrosive epoxy primer for use on blast cleaned steel. Used with other high-performance coatings to enhance the durability and adhesion of complete system specially on galvanized surfaces.

PHYSICAL CONSTANTS:

Composition:	
Color	Red Oxide
Generic Type	Epoxy
Finish	Matt
Vol Solid	53 %
Mixing Ratio	4:1
Spreading Rate	10 m ² / L. @50 µm dft.
Recoating Time	6-8 Hours
Drying Time	12Hours at 30 °C.
Induction Time	30 minuts
Pot Life	2 Hours
Curing Time, 30 °C	Attains maximum hardness and chemical resistance 2-4 days.
Weight / Liter	1.30 – 1.45 kg.mix.
Thinner/Cleaner	Epoxy Thinner (20-30%)
Flash Point	23 °C, 73 °F
Further coat	Epoxy Top Coat Or Pu Top Coat
Application:	
Packing size	By Brush, roller or spray Gun 05.00 LTR KIT.

APPLICATION DETAIL

STEEL

Blast Cleaning:

APPLICATION:

Airless spray, use brush for small areas. Mix individual components to uniform consistencies, and then combine in recommended ratio, allow standing half an hour before use. Use of thinner other than that specified or recommended may adversely affect the product performance. Mix only that quantity which is supposed to be consumed within the pot life of paint.

Conditions during application

The temperature of the substrate should be min. 3°C above the dew point of the air, temperature and relative humidity not more than 70% measured in the vicinity of the substrate. Good ventilation is necessary when the paint is used in confined spaces. Mix the paint to uniform consistency before application.

Typical Painting System On Steel

- Master Epoxy Zinc Rich Primer 1 x 50 µm
- Master Epoxy Zinc Phosphate Primer 1 x 50 µm
- Master Epoxy Top Coat (if required) 2 x 50 µm
- Or Polyurethane 2k Coating



Use abrasive paper



Dust off

Storage

The product must be stored in accordance to national regulations. Shelf Life of product is 18 months. The product should be kept in well-ventilated place, protected from heat and direct sunlight. The containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

SAFETY AND ENVIRONMENTAL NOTES:

First Aid:

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If swallowed, do not induce vomiting. Get medical attention immediately. If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations.

