

PRODUCT CODE - 7050  
EPOXY ZINC PHOSPHATE PRIMER RED OXIDE  
/ZINC CHROME YELLOW

**SCOPE:**

A two-pack epoxy primer based on anticorrosive iron oxide or zinc chromate, for application on blast cleaned steel surfaces. It has excellent resistance to high humidity and saline atmosphere with suitable topcoats like epoxy, chlororubber, and polyurethane.

**AREAS OF APPLICATION:**

Recommended for use as a primer in chemical, fertilizer, pulp and paper plants, refineries, petrochemical industries and other industries where high performance coating system is required.

**SURFACE PREPARATION:**

See the PAMPHLET ON SURFACE PREPARATION OF METALS.

**TECHNICAL DATA:**

- Appearance : BASE : Red oxide OR  
zinc chrome yellow  
HARDENER : Pale brown
- Viscosity : BASE : 65-70 secs. FC/4 @ 30<sup>0</sup> C.  
HARDENER : 17-20 secs. FC/4 @ 30<sup>0</sup> C.
- Weight/litre : BASE : 1.7 kgs  
HARDENER : 0.9 kg.
- Mixing ratio : BASE (3) : HARDENER (1)
- Viscosity of the mix : 25 – 30 seconds FC/4 @ 30<sup>0</sup> C
- Drying time : Touch dry : 25 - 30 minutes  
Surface dry : 45 minutes.  
Thumb impression free : 4½ hrs.  
Hard dry : Over night
- Pot Life : Six hours minimum.
- Covering capacity : 12 - 15 sq.mtrs. per litre.
- Dry film thickness : In excess of 30 microns.
- Spraying viscosity : 25 – 30 seconds FC/4 @ 30<sup>0</sup> C
- Brushing viscosity : 50 – 60 seconds FC/4 @ 30<sup>0</sup> C
- Thinner to be used : EPOXY Thinner 055 only

**DIRECTIONS FOR USE:**

Stir base thoroughly and then mix 3 parts base and 1 part hardener by volume to uniform consistency. Allow the mixture to mature for 20 minutes and stir again before application during use.

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Conventional Spray : Add upto 8 - 10% Thinner 055 depending on conditions.  
Airless Spray : Apply without thinning. However, upto 5% Thinner 055  
may be added if absolutely essential depending on conditions. Brush  
as it is without thinning.

**NOTES:**

Like any epoxy system, do not apply the primer when relative humidity is in excess of 80%. If need be, blow hot air in the paint shop or booth.

Zinc chrome yellow, gives the best result in terms of corrosion resistance, followed by zinc phosphate grey and redoxide.

Mix the BASE and HARDENER in enough quantity to last five hours (before the pot life is over).

Wash the brush or gun, immediately after use, so that the brush does not stiffen or the gun does not get choked.

Hardener is based on POLYAMIDE resin only, for better flexibility and adhesion.

The Product is for Industrial use only. Product data given here *is correct to the best of our knowledge but their accuracy may vary depending upon the quality of the substrate, application parameters and atmospheric conditions affecting the performance of the product. Therefore the users are advised to make their own tests to determine the suitability of products for their own purposes under present conditions. Unless agreed upon in writing, we do not accept any liability for the performance of the product. We hereby disclaim any warranties or representations, liability, including but not limited to negligence, injury, consequential losses or damages arising from the use of the Products as recommended above. Product data are subject to change without notice.*

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**PRODUCT DATA SHEET**

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