

## EPOLAC EPOXY PRIMER REDOXIDE / GREY / YELLOW TWO PACK

### ➤ Scope

A two-pack epoxy primer based on anticorrosive iron oxide or zinc phosphate 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, chlorinated rubber, 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, zinc phosphate  
grey 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.

- Conventional spray : Add up to 8 - 10% thinner 055 depending on conditions.
- Airless spray : Apply without thinning. However, up to 5% thinner 055  
May be added if absolutely essential depending on conditions. Brush as it is  
without thinning.

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### ➤ **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 red oxide.

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.

### ➤ **Disclaimer**

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