



## Epimax GPE Coating

### USES

The product is ideally suitable for use on structurals, tankage and pipeline exteriors of chemical, fertilizers, refineries, power plants etc., Recommended for usage in Wind Mill towers for prolonged service life in coastal belts.

### SCOPE

A high performance Epoxy high build coating having excellent durability when exposed to severe corrosive environments - humid, saline or chemical. The product is suitable as primer cum finish for prepared mild steel, galvanised steel and concrete surfaces.

#### PRODUCT DATA

**Type** : Two pack,

**Composition** : Catalysed epoxy resin suitably pigmented

**Mixing Ratio** : Base : Catalyst - 4 : 1 by volume

**Pot Life** : 2 - 3 Hrs @ 30°C

**Application** : Brush & Airless Spray

**Recommended DFT** : 125 - 160 microns per coat

**Corresponding WFT** : 174 - 222 microns per coat

**Theoretical Spreading Rate** : 4.5 - 5.7 Sq. Mtr./Ltr/Coat

**Drying Time** :

TOUCH : 1 hour

HANDLE : 8 hours

HARD : Overnight

**Curing Time** : 7 days minimum

**Overcoating Interval** :

MIN : 8 hours

MAX : 48 hours

**Colour** : Assorted Shards only

**Thinner** : Thinner 844

**Packing** : 20 Ltrs.

**Finish** : Smooth & Semi glossy

**Storage Life** : Upto nine months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

#### RESISTANCE GUIDE

**Chemical Resistance** :

| EXPOSURES | SPLASH & SPILLAGE | MILD FUMES / OUTDOOR RESISTANCE |
|-----------|-------------------|---------------------------------|
| Acids     | Good              | Very Good                       |
| Alkalis   | Very Good         | Excellent                       |
| Solvent   | Very Good         | Excellent                       |
| Salt      | Excellent         | Excellent                       |
| Water     | Excellent         | Excellent                       |

**Temperature Resistance** :

Continuous : 93° C

Intermittent : 120° C

**Flexibility** : Moderate

**Abrasion Resistance** : Very Good

**SURFACE PREPARATION**

**Steel** : Round off all rough welds, sharp edges and remove weld spatler. Remove grease oil and other contaminants in accordance with Swedish Standard SIS 05 5900. Rinse surface thoroughly with clean water to remove acids or alkali contaminants. Immersed steel must be prepared to better than SA 2.5 Swedish Standard to a surface profile of 50 - 75 microns. Remove all dust by brushing or vaccum cleaning.

**APPLICATION**

Stir the components throughly and then mix the base and catalyst in recommended proportion to uniform consistency. Allow it to mature for 30 minutes and stir again before use and during application.

**Brush** : Apply preferably without thinning. However, if required during application, add upto 5% Thinner 844. Brushing is recommended for touching up small areas only.

**Airless Spray** : Apply preferably without thinning. However, upto 5% Thinner 844 may be added if absolutely essential depending on conditions. Use any standard equipment having pump ratio 45:1. Tip size : 0.43 - 0.53 mm. Tip Pressure : 180 - 220 Kg / Cm<sup>2</sup>.

**TYPICAL PAINTING SPECIFICATIONS**

| Surface | 1st Coat           | 2nd Coat                                   | 3rd Coat           |
|---------|--------------------|--|--------------------|
| Steel   | Epimax GPE Coating | Epilux 155 HB Finish or Epilux 4 HB Finish | Bergerthane Finish |
| do      | Epimax GPE Coating | Bergerthane Finish                         | Bergerthane Finish |

**Precaution :**

1. Do Not apply in rain, fog or mist and when the surface temperature is 50<sup>0</sup>C and above.
2. Freshly mixed material must not be added to that which has been mixed for sometime.
3. Do not apply in temperature below 10<sup>0</sup> C and relative humidity above 85%.
- 4 Clean all equipment with epoxy Thinner 844 immediately after use.

**DISCLAIMER**

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