



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	: 930 C
Intermittent	: 1200 C

Flexibility : Moderate

Abrasion Resistance : Very Good

SURFACE PREPARATION

Steel : Round off all rough welds, sharp edges and remove weld spatter. 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 vacuum cleaning.

APPLICATION

Stir the components thoroughly 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 / Cm².

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°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 100 °C and relative humidity above 85%.

4 Clean all equipment with epoxy Thinner 844 immediately after use.

DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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