

## EPOXY PRIMER EDP-551 by weight

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**EPOXY PRIMER EDP-551 by weight** is a two component epoxy primer. This primer is used for ferrous and non ferrous metal such as aluminum, fiber, etc. This quality is especially distinguished by its high mechanical and corrosion resistance. This product is also suitable as a mono coat system for light duty interior application and only use for interior materials. This primer is used for steel structures, steel equipments and other metal surfaces.

### FEATURES

1. Good corrosion resistance
2. Good impact resistance
3. Good adhesion on metal
4. Good abrasive resistance

### PRODUCT SPECIFICATION

Color : Zinc Phosphate, Zinc Chromate, Red Oxide  
 Solid content mixture by volume :  $65 \pm 2\%$   
 Specific gravity mixture :  $1.47 \pm 0.05$  g/cc  
 Flash point :  $27^{\circ}\text{C}$   
 Packing : 20 kg set  
 Storage stability : Two years if it is stored in cool and dry place, also in its original not opened package. (Do not store below freezing point)

### APPLICATION

Substrate : Steel, Zinc Galvanized Steel  
 Application condition :  $25 - 35^{\circ}\text{C}$ , 60 - 80%RH  
 Application method : Air spray Brush  
 Thinning ratio by weight : 25-30% 10-15%  
 Mixing ratio by weight :

A Component	:	B Component	
(EDP-551)		(Hardener EDP-551)	= 9 : 1 (w/w)

Thinner : Thinner Epoxy  
 Pot life (mixture,  $30^{\circ}\text{C}$ ) : 3 – 4 hours (@  $30^{\circ}\text{C}$ /200 gr mixture)  
 Wet film thickness : 120 – 150 microns  
 Dry film thickness : 80 – 100 microns  
 Theoretical coverage :  $4.4 - 5.52$  m<sup>2</sup>/kg set (DFT = 80-100 micron) before thinning

### FILM PROPERTIES

Drying time  
     Surface dry : 20-30 minutes ( $30^{\circ}\text{C}$ )  
     Hard dry : 3-4 hours ( $30^{\circ}\text{C}$ )  
     Full cure : 7 days ( $30^{\circ}\text{C}$ )  
 Re-coating interval : Minimum 6 hours ( $30^{\circ}\text{C}$ )  
                                   Maximum 30 days ( $30^{\circ}\text{C}$ )

## SURFACE PREPARATION

1. All surfaces should be clean, dry and free from contamination accordance with SSPC-SP1 solvent cleaning.
2. Oil or grease should be removed by solvent cleaning or industrial detergent.
3. Remove the rust with mechanical sander or with chemicals.
4. Blast cleaning with suitable blasting material minimum Sa2, hand or power tool cleaning to a minimum standard of St2 in accordance with the ISO 8501-1 : 1988 or SSPC- SP – 2.
5. Provide adequate ventilation during application and drying.

Note : Epoxy coatings will characteristically chalk and fade upon exposure to sun light

## INSTRUCTION FOR USE

Prepare one mixture (A+B) as much as needed for application.

Firstly stir well Comp. A **EDP-551** until homogeneous, add Comp. B : **Hardener EDPH-551** and mix thoroughly.

Mix ratio **Comp. A : Comp. B = 9 : 1 (by weight)**.

Apply Mixed material could apply using airless spray, brush or roller. Use thinner **Thinner Epoxy** as solvent thinning and solvent cleaner. DO not apply the mixed material after pot life.

## RECOMMENDED COATING SYSTEM

Preceding coat : **EDP-551**  
Subsequent coat : **According to specification**  
Finish coat : **PUT-603**

Recommended Dry Film Thickness : 1 coat (,minimum 80 microns / coat)

## SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective coating, such as overalls, goggles, dust mask, and gloves. Use barrier cream. Provide adequate ventilation during application. Do not breathe vapor or spray. This product is flammable. Do not smoke. Use only explosion proof equipment. Do not breath the vapor of spray.

## FIRST AID

Eyes : In the case of accidental splashes, flush eyes with water immediately and obtain medical advice  
Skin : Wash skin thoroughly with soap and water or approved industrial cleaner. Do not use solvent or thinners. If irritation occurs, seek medical advice.  
Inhalation : Remove patient to fresh air area, loosen collar, and keep patient rested and give artificial respiration.

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