

## EPOXY PRIMER EDP-551

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**EPOXY PRIMER EDP-551** is a high build polyamide cured epoxy primer containing anti corrosion pigment. This quality is especially distinguished by its high mechanical resistance, high quality anti corrosion protection in conjunction with the top coat for light duty exterior application. This primer is used for steel structures, steel equipments and other metal surfaces. This product is also suitable as a mono coat system for light duty interior application

### PRODUCT SPECIFICATION

Type	: Two component polyamide cured epoxy primer	
	<u>A Component</u>	<u>B Component</u>
	<b>EDP-551</b>	<b>Hardener EDP-551</b>
Color	: Grey, Green, Red Oxide	Clear Reddish Yellow
Solid content mixture by volume	: 65 ± 2%	
Specific gravity mixture	: 1.47 ± 0.05 g/cc	
Flash point	: 25°C	
Packing	: 18 kg. In steel pail	2 kg. In steel can

### APPLICATION

Substrate	: Iron, Aluminum, Steel, Zinc Galvanized Steel		
Application condition	: 25 - 35°C, 60 - 80%RH		
Application method	: <u>Air spray</u>	<u>Brush</u>	
Thinning ratio by weight	: 30%	10%	
Viscosity of mixture (DIN 4)	: 12 - 15 sec	25 sec	
Mixing ratio by weight	:		
	A Component (EDP-551)	: B Component (Hardener EDP-551)	: Thinner (Th Epoxy) = 9 : 1 : 4
Thinner	: Thinner Epoxy		
Pot life (mixture, 30°C)	: 5 - 6 hours (@ 30°C/200 gr mixture)		
Wet film thickness	: 150 microns		
Dry film thickness	: 80 microns		
Theoretical coverage	: 5 m²/kg set (DFT = 80 micron)		

### FILM PROPERTIES

Drying time	
Surface dry	: 20 minutes (30°C)
Hard dry	: 4 hours (30°C)
Full cure	: 7 days (30°C)
Re-coating interval	: Minimum 24 hours (30°C) Maximum 30 days (30°C)

### OTHERS

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)

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

Do not apply the mixture after pot life time. The mixture could be gelled in 24 hours.

## **SURFACE PREPARATION**

1. The surface must clean, dry, and free from oil.
2. Clear the rust with mechanical sander or with chemicals.
3. Provide adequate ventilation during application and drying.

## **RECOMMENDED COATING SYSTEM**

Preceding coat : -  
Subsequent coat : **EPOXY TOP COAT EDT-553 or  
POLYURETHANE TOP COAT PUT-603**

## **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.