



## **PFEF-2012**

### **Epoxy Polyamide Zinc Phosphate Primer**

#### ◆ **Description:**

PFEF-2012 is a high performance corrosion resistant primer based on epoxy resin and polyamide hardener providing general characteristics of epoxy coatings such as excellent adhesion and anti-corrosion. A 100-micron-layer of this product protects metal structures in the manufacturing to installation interval. This product provides excellent adhesion to common coating systems such as epoxy, acrylic, polyurethane and... So it is an appropriate primer for protective coating systems.

#### ◆ **Advantages:**

- Remarkable resistance against corrosives agents
- Excellent adhesion to metals
- Ease of application

#### ◆ **Main usage:**

Chemical, petrochemical and petroleum industries, metal structures, power plants, storage tanks, indoor and outdoor facilities and pipelines.

#### ◆ **Physical properties:**

Color	White
Gloss	Matt
Components	2
Mixing Ratio by weight	A/B =6/1
Mixing Ratio by volume	A/B =3.5/1
Solid content (A+B)	60±5%
Density (A+B)	1.6±0.1 g/cm <sup>3</sup>
Recommended film thickness	50-75 micron (one pass)
Theoretical coverage*	0.13-0.2 Kg/m <sup>2</sup>
Curing method	Solvents evaporation and chemical reaction
Thinner	T-950
Packaging	A:18 Kg B: 3 Kg

\* No material loss is consider in theoretical coverage calculation.



### ◆ Processing properties:

Pot life	1.5-2 hours
Dust free time	2-3 hours
Post curing time	8 hours
Full curing time	7 days
Over coating interval	8 hours

### ◆ Application Guide:

#### - Surface preparation:

All surfaces must be clean, dry and free from contaminants, grease, dust, rust, moisture and any loose particles. Metal substrates such as steel and iron are sand blasted up to SA2 grade. SA2 ½ is recommended in aggressive conditions (e.g. water immersion). The painting process should be done immediately after removing the dust of air blasting.

#### - Application:

After surface preparation, the two parts of the paint should be thoroughly mixed (by the ratio according to the package) using a suitable mixer until a homogenous solution is achieved. The paint can be diluted with T-950 thinner gradually while mixing. PFEP-2012 is applied using ordinary air or airless spray and small damaged and unpainted area can be repaired by brush. Using suitable ventilation is necessary while paint application is done in close places.

All tools should be washed with T-950 thinner after the application.

- Ambient condition:  
Ambient temperature should be in range of +10 to +50 °c.

### ◆ Storage:

12 months, in unopened package & protect from light at (5-30) °c.