



PFEP-2050 Epoxy Polyamide Coat

➤ Description:

PFEP-2050 is based on two-component Epoxy resin and Polyamide hardener as an intermediate layer to increase life time and resistance of the coating system against atmospheric conditions. It is also can be used as a topcoat on primed surfaces where the UV resistance isn't required.

When the UV resistance is required, polyurethane PFPU-4100 must be used as topcoat.

➤ Advantages:

- Higher thickness is achievable. And so higher physical, mechanical and chemical properties of coating system can be achieved.
- Good resistance against diluted acids and alkalis
- Excellent corrosion resistance in mild to severe environmental conditions

➤ Main usage:

External coating of tanks, metal frames, pipelines of chemical plants, refineries, coastal regions, piers and petroleum platforms, metal and concrete structures in different corrosive conditions.

➤ Physical properties:

Color	Any color ordered
Gloss	Semi-gloss
Components	2
Mixing Ratio by weight	A:B =5:1
Mixing Ratio by volume	A:B=3:1
Solid content (A+B)	50±5%
Density (A+B)	1.4±0.1 g/cm ³
Curing method	Solvents evaporation and chemical reaction
Thinner	T-950
Packaging	A: 15 Kg B: 3 Kg

➤ Processing properties:

Pot life	1-3 hours
Tack free time	2-4 hours
Post curing time	8 hours
Full curing time	Max.7 days(+25°C)
Over coating interval	16 hours



➤ **Application Guide:**

- Surface preparation:

All surfaces must be clean, dry and free from contaminants, grease, dust, rust, moisture and any loose particles.

Cleaning should be done using suitable cleaning agents. If the surface is so smooth and glossy (applying on primer), it should be abraded by sand paper or any suitable device and then cleaned and dried.

Surface preparation is so important while the paint is applying on the substrate directly.

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, Part A should be thoroughly mixed using a suitable mixer until a homogenous solution is achieved. Then the two parts of the paint by determined mixing ratio (according to package and instruction) are mixed until a homogenous mixture is obtained. The paint can be thinned with T-950 thinner gradually while mixing.

PFEP-2050 is applied using ordinary air or airless spray and small damaged or 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.

➤ **Storage:**

24 months, in unopened package & protect from direct sun light at (+5 to +30) °C