



## **PFEF -2250 Epoxy Flooring**

### ◆ **Description:**

It's based on epoxy resin and polyamine hardener. It has excellent adhesion to concrete/metal surfaces, epoxy and polyurethane systems. It has very good water resistance, chemical resistance and can be applied as seamless flooring on concrete or steel floors.

### ◆ **Advantages:**

- Very good adhesion to steel & concrete surfaces
- High resistance against water, chemicals, oil, acids, alkalis, gasoline ...
- Protect the environmental against contamination, concrete dust....
- Good resistance against thermal tolerance
- Good abrasion and compression resistance
- High strength
- Can be washed and cleaned

### ◆ **Main uses:**

- Concrete floorings in workshops, ware houses, food processing factories, chemical, medical, electrical, weaving, military, industries
- Flooring in hospitals, factories, airports, industrial areas , . . .

### ◆ **Physical properties:**

Color	Any color ordered
Gloss	Glossy
Components	2
Mixing Ratio by weight	A : B=5.5 : 1
Mixing Ratio by volume	A : B=3 : 1
Solid content	100%
Density (A+B)	1.71±0.1 gr/cm <sup>3</sup>
D.F.T	1.5-3 mm
Theoretical coverage *	3.4 Kg/ m <sup>2</sup> / (2 mm thickness)
Curing method	Chemical reaction
Thinner	T-950
Packaging	A:6.5 Kg B: 3 Kg

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

### ◆ **Processing properties:**

Pot life	5 min @ 60°c 25 min @ 40°c 35 min @ 25°c
Dust free time	2 h
Post curing time	6 h
Full curing time	7 day
Over coating interval	8 h @ 25°c



### ◆ **Application Guide:**

- surface preparation:

The surface should be hard. Use scratcher or grinder to get better profiles and better adhesion.

Then remove dusts with vacuum or blowing. Apply concrete primer PFEP-2168. After primers tack free time fill the pores with Epoxy mastic PFEP-2235.

If the primer surface is completely dry, its surface must be activated by MEK or T-950 solvent in order to increase the adhesion between layers.

- Ambient condition:

Ambient temperature while application should be between +10 to +50°C

- Application:

Mix component A with agitator until a homogenous liquid achieves, then 2 components mix thoroughly (by specified mixing ratio according to packages and instruction) until a homogenous mixture obtains. Pour the mixed compound on the floor and spread it with suitable instruments such as trowel or roller. Removing the air pocket operations are performed 3 times at intervals of 15 minutes to achieve a smooth and uniform layer. Small damaged or unpainted area can be repaired with bush. All tools should be washed with Epoxy thinner T-950.

### ◆ **Storage:**

12 months in closed containers, not exposed to direct sun light in 5-30°C