



Polyfloor PU

Polyurethane Flooring

◆ Description:

It's a two-component-product based on polyurethane, which can be used as the seamless industrial flooring on concrete floors in heavy duty industries.

◆ Advantages:

- Good resistance against organic and inorganic acids, alkalis, solvents, oils, fats. . .
- Good flexibility
- Seamless
- Good weathering properties
- High compression resistance
- Can be washed and cleaned
- Self-leveling

◆ Main uses:

- Flooring in sport complexes
- Heavy duty areas
- Concrete floors subject to tension, vibration, impact...

◆ Physical properties:

Color	available upon request
Density(Mix)	1.63gr/cm ³
Mixing ratio (by weight)	A : B=5.8 : 1
Theoretical coverage *	1.58-2.4 Kg/m ² (1-1.5 mm thickness)
Tensile strength	11 MPa
Elongation	50%
Hardness (shore D)	55
Tear resistance	36.7 N/mm ²
Impact resistance	> 75in.lb
Packaging	A: 6 Kg B: 1 Kg

* No material loss is consider in theoretical coverage calculation.

◆ Processing properties:

Pot life	5°C - 45 min 20°C - 35 min 35°C - 25 min
Post curing time	5°C - 42 h 20°C - 30 h 35°C - 24 h
Full curing time	20°C - 7 days

◆ Application Guide:

The surface should be clean, free from contamination, dust, loose particles, prepare the concrete surface with grinder or scratcher. Use clean equipments and tools.

Mix ratio by 300-500 rpm agitator or drill until a homogenous liquid achieves. Use trowels, rollers or spray for application.



- Application

Application is done with notched spatula and air pockets are removed carried out by the roller.

Before application of material, concrete primer PFEP-2168 is used to improve the adhesion. Epoxy mastic PFEP-2235 or PFEP-2249 can be used to smooth surfaces' unevenness and reduce material consumption.

All tools should be washed with Epoxy thinner T-950.

- **Storage:**

A component: 12 months

B component: 6 months

In dry condition, +5 to +35°C, not exposed to direct sun light.