



# PU FLOORCOAT

## General Description:

PU FLOORCOAT is a solvent based, two-component polyurethane system containing special resin and polyfunctional isocyanate.

## Major Uses:

PU FLOORCOAT is specially formulated to give excellent floor coating for concrete and ideal floor application for commercial, industrial and chemical plants. It is highly recommended for airports, open car parking areas, hangars, warehouses and showrooms.

## Advantages:

- Chemical and abrasion resistant.
- Flexible and waterproof.
- Non – toxic when fully cured.
- Available in wide range of colors.

## Characteristics and Physical Properties:

Color	Any choice of color.
Mixing Ratio	1: 1
Volume Solids(mix)	45%
Pot Life @ 30 <sup>0</sup> C	1 Hr.
Dry film thickness	75 microns.
Flash Point	22 <sup>0</sup> C.
<b>Drying Time:</b>	
To Recoat	3 – 5 hrs.
To Hard	12 hrs – 16 hrs.
Cured	7 Days.
Shelf Life	1 year.
Coverage	8 – 10 m <sup>2</sup> . /lit

## Chemical Resistance:

Hydrochloric Acid	Good.
Nitric Acid,10%	Good.
Acetic Acid, 5%	Good.
Sulphuric Acid,20%	Good.
Phosphoric Acid, 20%	Good.
Lactic Acid, 20%	Good.
Sodium hydroxide,50%	Very Good.
Petrol	Very Good.
Alcohol	Good.
Ketones	Good.

## Surface Preparation:

### New Concrete:

- Allow new concrete to cure for 28 days, and surface should be sound and no strange particles prior to application. Ensure that the surface to be coated is properly etched and washed before the application of PU FLOORCOAT.

### Old Concrete:

- Old concrete should be clean and in a good state of repair i.e., cracks, holes and other irregularities should be filled with epoxy grout and mortar or epoxy non – shrink putty.
- Existing paint should be removed by grit blasting or by heavy-duty mechanical grinder. Paint stripper is not recommended because they leave a waxy residue, which is more difficult and will affect bond formation of PU FLOORCOAT.
- Oil and grease should be removed by steam cleaning in conjunction with a degreasing solution.

## Priming:

Concrete floors should be primed with 1 coat of Uniseal # 110 as a concrete conditioner prior to the application of PU FLOORCOAT.

## Mixing and Application:

Mix component A and B at specified ratio ensuring they are complete homogenous. After thoroughly mix, allow the mixture to stand for 5 – 10 minutes. Apply either by brush, roller or airless spray gun. Anti – slip can be obtained by sprinkling fine grade of silica 0.1 – 0.3 mm. or coarser grain size in the first coat / wipe all loose aggregates prior to the application of the final coat to completely seal and cover the surface.

## Typical Recommended System:

Smooth	
Uniseal # 110 P	1 coat.
PU FLOORCOAT	1 coat.
Anti Skid	
Uniseal # 110 P	1 coat.
PU FLOORCOAT	1 coat.
Aggregate	sprinkle
PU FLOORCOAT	1 coat.

*The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.*

## Storage:

Keep base and hardener in a cool place below 25°C. Keep the container tightly closed. Shelf life of 12 months minimum.

## Cleaning of Tools:

All tools should be cleaned with Wash Thinner or PU Thinner # 105 as soon as possible.

## Physiological Hazards:

Keep Base and Hardener away from eyes and skin contact. Good ventilation should be provided particularly in closed work areas. Keep uncured epoxy materials away from the mouth, food or drink, do not use empty tins to store food and do not empty cans into drains. Always wear gloves and safety materials when handling this product. Clean any splashes or smears from the skin immediately, using warm water and soap. Avoid inhaling vapor.

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