

# PU FLOOR COATING

## Water Base

Product code: PW/3850

### Composition and Application Field

**EVI PU Floor Coating Water Base** is a pigmented top coat based. By virtue of the PU water base withstands well abrasion, chemical stress and immersion in water. It has outstanding mechanical properties combined with good flow and is very easy to apply. It can be an ideal top coat for floor coatings which has severe abuse. Designed for severe industrial floors, car parking areas & heavy traffic with moderate load accompanied with good chemical and hot water resistance. It is recommended in animal rooms, poultry farms, food process units, beverages plants, and chemical industries.

Substrates: Designed for medium to heavy industrial floors, car parking, animal houses, poultry farms, beverage plants.  
Area of Use: Exterior and Interior

### Specification

Finish	: Smooth to slight rough
Color	: White, grey and unlimited color even clear
Specific gravity	: $1.20 \pm 0.02$
Solids (% by volume)	: $40 \pm 1$
Diluent	: Sweet Water
Flash point	: Not Applicable
Spread Rate:	

Practical coverage depends on the porosity of the evenness of the substrate and on the application method.

Coverage on concrete floors is on the average

- Primer: 4-7 m<sup>2</sup>/L
- Top coat: 7-10m<sup>2</sup>/L

Drying Time (23° C):	Dust Free: 3 hours.
	Touch dry: 4 hours.
	Ready for recoat: 4-12 hours.
	Fully cure: 24-48 hours.

### Surface Preparation

A good surface preparation and following the method statement / recommended system procedure of EVI is an ideal recommendation for the application of EVI PU water base floor coating.

#### For Concrete and related surfaces

Ensure that the surface is sound. Remove laitance by thorough wire brushing, acid etching or sweep blasting. Blowholes and other defects should be filled with suitable filler. EVI PU FLOOR COATING WATER BASE can be diluted with water up to 100% for using it as primer PU water base floor coating.

### Application Method

Adequate ventilation is an ideal situation as it helps in drying and the good application itself. Avoid high humid conditions i.e., >95% when condensation is likely to interfere and also when the surface temperature is at least 5°C above dew point. To be done by Airless spray 2000-2300 psi. Nozzle size: 0.015-0.018 inches or conventional spray at 50 – 60 psi. It can even be done with a roller. The product can be applied by mohair roller, rubber trowel. It is generally recommended to give a mist coat followed by a full coat. A normal brush or a roller may be used for difficult shapes or touchup; however, additional coats may be required to achieve the recommended film thickness. The method of application is recommended for stripe coating welds, edges, rivets etc. One can add water for achieving spray viscosity of app 17 – 18 secs on Ford cup 4 ASTM at 30 ° C and for ease of application.

### Paint System

EVI PU FLOOR COATING WATER BASE	
- EVI PU Floor Coating Water Base	2-3 coats

\* Recommended system to be applied as per surface preparation or as per EVI technical advice.

### Storage and Shelf Life

Under dry and cool condition, storage stability can be sound up to 18 months in original sealed containers.

### Handling

Disposal: As per the guidance and legislations of the local Authority e.g., by controlled landfill. In case of doubt, consult local authority. Do not empty into drains, sewers or other water courses. Flash Point: Not applicable.

### Safety Precaution

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream. Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray. MSDS is available on request for the safe handling of this product.

#### First Aid

Eyes: In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin: Wash skin thoroughly with soap and water or approved industrial cleaner. Do not use solvent or thinners.

Inhalation: Move to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion, Do not induce vomiting. Obtain immediate medical attention.