

## General Description:

EPOXY MATT CLEAR is a solvent based, two-component epoxy system containing an epoxy resin and polyamide hardener.

## Major Uses:

EPOXY MATT CLEAR is specially formulated to give excellent floor coating for concrete and ideal for application for commercial, industrial, chemical plants, and steel structures. It is highly recommended for airports, car parking areas, hangars, warehouses and showrooms.

## Advantages:

- Chemical and abrasion resistant.
- Flexible and waterproof.
- Non – toxic when fully cured.
- Clear and transparent.

## Characteristics and Physical Properties:

Appearance	Clear
Mixing ratio	4 : 1
Volume solids	48%
Pot life @ 25°C	2 hrs.
DFT	30-40 microns
Flash point	22°C
Drying time:	
Recoat	3-5 hrs.
Hard	12-16 hrs.
Cured	7 days
Shelf life	1 year
Coverage	12~15 m <sup>2</sup> /L

## 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 floored is properly etched and washed before the application of EPOXY MATT CLEAR.

### 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 EPOXY MATT CLEAR. 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 EPOXY MATT CLEAR.

### **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 15 – 30 minutes. Apply either by brush, roller or airless spray gun.

### **Typical Recommended System:**

Uniseal # 110 P	- 1 coat.
EPOXY MATT CLEAR	- 2 coats.

### **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 Epoxy Thinner # 135 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.