

CODE: EP-368

**PRODUCT NAME:**

**Elastomeric Epoxy-Urethane Flooring**

**DESCRIPTION:**

EP-370 is a two component 100%solid urethane-modified epoxy elastomeric membrane/coating designed for high performance water proofing, chemical resistance and traffic compatibility under a wide range of application and service conditions. It is low viscosity and self priming to concrete, steel, aluminium, ceramic tile, plywood, natural stone, glass, vinyl tile and many other substrates. Clear or a wide range of colour is available

**TECHNICAL DATA:**

Binder	Polyurethane
Pigment	Chemical resistant pigment
Finish	Semi gloss
Shade	RAI Colors
Specific gravity after mixing	1.1 For Clear and 1.5±0.1 Kg/Lit For Coat
Volume solid	100 %
Flash point	90 °C
Typical dry film thickness	1mm- 30cm
Number of coat	One
Mixing ratio by weight	Base : 50 parts Hardener : 50 parts for clear & 25 kg for coat
Substrate	Primed concrete &
Application method	Pour and Spread by Conventional saw tooth Trowel
Theoretical spreading rate ( at 3 mm)	0.3 M <sup>2</sup> /Lit
Thinner / Cleaner	Not applicable
Packing	Base : 18 kg Hardener : 18 kg for clear & 9kg for Coat
Shelf life	6 Months

**Mechanical Properties ( After Full Curing)**

Compressive strength	Aprox. 12000 psi
Flexural strength	Approx. 5400 psi
Tensile Elongation	350-400 %
Adhesion to concrete	355 psi (Concrete Fails)



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## Drying Time

Temp	Touch dry	Hard dry	Overcoating		Full cure
			Min	Max	
15°C	18 hours	48 hours	32 hours	-	13 days
25°C	12 hours	36 hours	24 hours	-	7 days
40°C	9hours	27 hours	18 hours	-	4 days

**Note** : Drying times are dependent on applied film thickness , all data in this catalogue are reported at recommended DFT.

## Pot life

Temp. of paint	15°C	25°C	40°C
Pot life	120 minutes	100minutes	70 minutes

## Surface Preparation

All surfaces to be coated should be clean, dry and free from contamination .Prior to paint application all surfaces should be assessed and treated in accordance with ISO8504:1992.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning

### Primed surfaces

EP-368 can be applied over approved primers.The primer surface should be dry and free from all contamination, and EP-368 must be applied within the overcoating intervals specified.

### Concrete Surfaces

Concrete should be cured for a minimum of 28 days prior to coating. The moisture content of the concrete should be below 6% .All surfaces should be clean, dry.

All Cracks in the concrete shall be filled by EP- 368, before applying topcoat.

Surface preparation shall not take place in following conditions:

temperature below 5 °C.

greater than 50-60%.

above dew point.

A-At

B-When the relative humidity

C-When the surface temperature is less than 3 °C

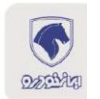
D- Out side day light hours on exterior locations

## Application Method

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Material is supplied in two containers as a unit. Always mix a complete unit in the proportion supplied. Once the unit has been mixed it must be used within the working Pot life specified.

1-Agitate part A with a power agitator.

2-Combined entire contents of curing agent (part B) With Base (Part A) and mix thoroughly with power agitator.

Product is also available in pre-measured units, eliminating the need for field measuring of components. Mix thoroughly for at least three minutes, scraping the container bottom and side to assure complete mixing. There is no induction or waiting time required after mixing before application.

The exothermic nature of epoxy setting reactions may cause rapid temperature rise when the mixture is left massed in a bucket, resulting in high temperatures and loss of utility of the product. To maximize handling and working time, pour the mixture into shallow pans or dump and squeegee tile mixture out onto surface to be coated within a few minutes of mixing.

Like all high performance coating, this product must be applied as recommended to obtain the maximum protection for which this coating is formulated.

- Pour EP-370 on the floor and spread using a flat trowel. After 10 minutes roll the surface with a pinroller to remove air bubbles.

- Apply a minimum of 1.5 mm EP-368 normally provides a smooth, high gloss finish after application.

- In hot climate, material temperature should be 20 to 25 °C prior to mixing; otherwise pot life becomes very short.

- Paint shall not be applied when wind speed is in excess of 7 m/s when surface temperature is below 12°C.

- Do not apply this coating

## **HEALTH AND SAFETY:**

This product is Flammable. Keep away from heat and open flame. Keep container closed. Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

1-Circulate adequate fresh air continuously during application and drying.

2-Use fresh air masks and explosion proof equipment.

3- Prohibit all flames, sparks, welding and smoking.

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