

## EPOLAC: EPOXY FLOOR COATING

### ➤ Scope

World over, the floors are required to remain dust free and strong enough to resist abrasion of pedestrian traffic as well as wheel traffic. Also required is resistance to certain chemicals. Epolac Epoxy Floor Coating is such a coating that meets the above said objective. Over and above, Epolac Epoxy Floor Coating is self-leveling, whereby seamless flooring can be obtained.

Epolac Epoxy Floor Coating is a hundred percent solid coating based on liquid epoxy resin cured with a suitable polyamide. This prevents pin holing and porosity which is the case with any solvent bearing coating. Epolac Epoxy Floor Coating is a two-component system: base and hardener. When mixed in appropriate proportion, it yields hard yet flexible film, with great strength in terms of adhesion, hardness and chemical resistance.

### ➤ Product Data

TYPE	:	Modified epoxy to be cured with cycloaliphaticamine
COMPOSITION	:	Modified epoxy, pigments, extenders and additives with cycloaliphatic amine as curing agent
MIXING RATIO	:	Base: hardener: 4:1 by vol.
POT LIFE	:	6-7 hours depending on ambient temperature
APPLICATION	:	By spiked roller and hand trowel

### ➤ Surface Preparation

#### Steel Surface

Remove grease, oil and other contaminants preferably by using degreasing solvent 148. Make full use of mechanical tools along with manual chipping and wire brushing for remove loose rust and scale.

#### ➤ Concrete

##### New concrete

Ensure that the concrete is cured for a minimum of three months. The surface is to be made rough and free from dust and other contaminants by sand sweeping.

##### Old concrete

Remove all salt deposits from the surface by water jet washing. Light sand blast the surface to remove all loosely bound coatings. Finally give air blast to make surface fully clean and dry.

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RECOMMENDED DFT	:	3 mm per coat.
THEORETICAL COVERING CAPACITY	:	1 sq. Mtr. Per ltr. @ 1mm d.f.t.
DRYING TIME	:	Touch dry : 4 to 5 hours Dry to handle : overnight Full cure : 7 days
FLASH POINT	:	Above 22°C
FINISH	:	Semi glossy

### ➤ Resistance

Chemical resistance :

Exposures	splash and Spillage	mild fumes/outdoor resistance
Acids	good	very good
Alkalis	very good	excellent
Solvents	good	excellent
Salt	excellent	excellent
Water	good	excellent

- This test can be carried out after 7 days curing.
- Note : not recommended for immersion service in acids, alkalis or solvents

Temperature resistance

CONTINUOUS	:	80°C
INTERMITTENT	:	110°C
WEATHER ABILITY	:	Excellent with suitable top coat
ABRASION RESISTANCE	:	Excellent
FLEXIBILITY	:	Excellent

### ➤ Uses

Ideal maintenance coating in fertilizer, chemical, refinery and petrochemicals, bridges, marine and port installations, pulp and paper, pharmaceuticals, food and beverage units. It is also suitable for use in containment areas of nuclear power plants.

### ➤ Storage Life

Up to nine months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

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➤ **Disclaimer**

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