

# ENIPOXY-PTC 421

## EPOXY PITCH COATING

### DESCRIPTION

**ENIPOXY-PTC 421** is 2 component polyamide cured Epoxy /LP self priming coating forming a flexible and tough coating which provides an excellent resistance to industrial chemicals, water & petroleum products and excellent adhesion to bare metal and treated surfaces. The product being self-priming does not require a primer.

The above product conforms to IS 9912 – 1981 standards with certain modifications to suit the end use requirements

### RECOMMENDED USES

- **ENIPOXY-PTC 421** Can be used as a rust preventing coating for concrete and steel tanks and other surfaces
- As a heavy-duty abrasion resistant coating on steel exposed to abrasion.
- Used as a lining for MS /Concrete tanks for sewerage equipment, waste water disposal systems and also used for the protection of chemical, troughs under ground pipes, tanks, aerators, Pumps etc.
- **ENIPOXY-PTC 421** exhibits excellent heat absorption properties & has a temperature resistance up to 250°C.

### TECHNICAL DETAILS

Colour	Black
Finish	Semi glossy, Eggshell & matt
Solids by volume	60 ± 3 %
Pot Life	15-20 Minutes
Over coat Interval	16-24 hours
Light traffic after	3 days
Touch dry	2-3 hours
Hard dry	16-18 hours
Full Cure	7 days
Coverage	11-12 Sqmt/Ltr./Coat @ 40 µ DFT

### ADVANTAGES

**ENIPOXY-PTC 421** provides a crack free heavy-duty surface; it is anticorrosive in nature, helps structure to prevent corrosion and abrasion.

### SURFACE PREPARATION

#### For Concrete:

These should normally have been placed for at least 28 days and have moisture content of less than 5%. Floors should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. Excessive laitance can be removed by the use of mechanical methods. Dust and other debris should then be removed by vacuum cleaning.

#### For Steel/GI structures:

Clean the surface and remove all the deposits, heavy sanding is recommended for damaged areas of old structures, high build epoxy primer ENIPOXY PR is recommended to achieve ultimate bonding.

### METHOD OF APPLICATION

#### Priming

Concrete should be primed with **ENIPOXY PR**. **ENIPOXY PR** should be mixed in the proportions supplied. Add the entire contents of the hardener can to the base can. Mix it using a slow speed drill and paddle; the primer should be applied in a thin continuous film, using airless spray, rollers or brushes. Prime the surface carefully to avoid ponding or over application. The primer should be left to achieve a tack-free condition before applying the topcoat. A second coat of primer may be required if the substrate is excessively porous.

#### Mixing & coating

Mix 4 Parts of Base to 1 Part Hardener (By Volume) the entire contents of the hardener container should be poured into the base container and the two materials mixed thoroughly. Use epoxy thinner if required for dilution.

### Standard application

The first coat of **ENIPOXY-PTC 421** should be applied using a good quality medium haired pile brush/airless spray. A minimum film thickness of 40 microns should be applied. This can be increased where specifications demand. Allow base coat to cure (18 hours @ 30°C or 12 hours at 40°C). The topcoat can be applied by medium haired brush/airless spray, at minimum Dry film thickness of 40 microns.

### STORAGE

Minimum 18 months in unopened container. Store away from sunlight and preferably below 30°C.

### PACKING

**ENIPOXY-PTC 421** is available in 20 Liter Dual Pack.

**Note:** -All information is given in good faith on the results gained from experience and tests. However all recommendations of suggestion are made without guarantee since we do not have any control on the site conditions and its uses.

### SAFETY

**ENIPOXY-PTC 421** is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles

**INHALATION:** Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency

**EYE CONTACT:** Flush eyes with water for 15 minutes and call for medical help.

**INGESTION:** causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce

**SKIN CONTACT:** Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

Technical Support:



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