

# POXEECOTE-D

## HIGH - BUILD EPOXY COATING



### DESCRIPTION

**POXEECOTE-D** is a two component epoxy polyamine high-build, wear- resistant coating that provides protection against chemical attack. **POXEECOTE-D** provides a semi- gloss and matt finish consistency.

### FEATURES & BENEFITS

- Provides excellent wear under heavy traffic
- Excellent resistance to a variety of chemicals
- Hardens to semi-gloss finish
- Easy to apply with standard equipment
- Can be applied as a non-slip floor finish
- Available in a range of colors
- Hygienic in service, **POXEECOTE D** will not support bacterial growth

### PRIMARY APPLICATION

- Warehouse floors
- Auto/truck repair
- Chemical plants
- Terminals
- Fabrication facilities
- Manufacturing plants
- Showrooms
- Other same application

### CHEMICAL RESISTANCE

Acetic Acid, 5% ..	good
Alkalies ...	excellent
Ammonia ..	excellent
Battery Acid ..	excellent
Bleach ...	excellent
Brake fluid ....	good
Ethanol ...	good
Ethylene Glycol ..	excellent
Gasoline ...	excellent
Hydrochloride Acid, 10% ..	good
MEK ..	poor
Methylene Chloride ..	poor
MIBK .....	poor
Nitric Acid, 5% ..	poor
Oil .....	excellent
Salt water .....	excellent
Skydrol .....	good
Toluene .....	good
Urine .....	excellent
Xylene .....	excellent

### RATINGS

Poor - affected within 24 hours; Good - no effect for 24 hours; Excellent - no effect after 2 weeks.

### NOTE

Where chemical resistance is rated as poor, check with CMCI Technical Department for possible top coats or alternatives with better chemical resistance.

### TECHNICAL INFORMATION

Typical Engineering Data  
The following results were developed under laboratory conditions.

Mixing Ratio.....	100/13.2
Mixed Specific gravity.....	1.58 g/ml
Mixed viscosity @27°C.....	2500 cps
Suitable for wheel traffic .....	@48 hours
Dry to touch (at 25°C) .....	6 hours
Pot Life (at 25°C) .....	2 hour
Shore A Hardness.....	100
Shore D Hardness.....	68
Bond Strength to concrete .....	> 2.5 MPa

### DIRECTION FOR USE

#### Surface Preparation

New concrete must be a minimum of 28 days old and possess an open surface texture with all curing compounds and sealers removed. The moisture content shall be checked before application of the coating. The concrete must be clean and sound. All oil, debris, dirt, paints and unsound concrete be prepared mechanically using sandblast, shotblast or scarifier which will give an open surface profile with the cement past removed from the surface. The Above surface preparation is that recommended by CMCI. Acid etching is acceptable only when mechanical preparation is impractical. It is recommended that only contractors experienced in the acid etching process use this means of surface preparation. The salt of the reaction must be thoroughly pressure washed away. Allow the concrete to completely dry.

#### Note

Even with proper procedures, an acid etched surface may not produce as strong a bond as produced by other preparation methods. Also acid etching will not remove oil, grease, sealers and other materials that will interfere with the bond on the surface of the concrete

#### Priming

**POXEECOTE-D** is self-priming, an optional sealer can be used like **EPOSEALER** or **EPOMORT 1000 LV** if requested in the project's specifications

<b>COVERAGE</b>	Approximately 2.8 m <sup>2</sup> /liter at 350 microns dry film thickness.
<b>PACKAGING</b>	Available in 10L, 20L, 13 kg & 25 kg kit.
<b>COLOR</b>	Grey, Light grey and available upon request.

## Joint and Edges

If the floor is subject to wheel traffic the edges of the floor area should be saw-cut (6 mm) deep to provide a locked in edge. Moving joints as in the case of expansion joints should be brought up through the coating. All cracks over 0.3 mm wide should be filled with 100% solids epoxy such as **CEMTEC EPOMORT 100** to fill wide cracks, joints and keyed edges.

## Mixing

All material should be kept within an ambient temperature of 16°C – 32°C. Add Part B (hardener) into the Part A (resin). Using slow speed heavy duty fitted with a jiffy mixer. Mix **POXEECOTE-D** for at least 3 minutes until uniform consistency is obtained. The epoxy must be well mixed to ensure proper chemical reaction. Let stand for at least 5 minutes prior application.

## Placement

**POXEECOTE-D** may applied using squeegee, roller or industrial sprayer. After application, it is recommended the coating be back rolled to reduce surface imperfections and improve bond.

For Non-skid application, fine sand can be broadcasted on the epoxy surface while still wet. Allow to cure for at least 24 hours and finally top with a thin coat of **POXEECOTE-D**.

## Note

Thickness may be increased up to 500 microns, if desired. Greater thickness can be achieved by broadcasting silica sand as a filler. The concrete surface texture greatly affects coverage rates and final appearance. Additionally, introduced silica sand for slip resistance will reduce coverage rates.

## CLEAN-UP

Clean tools and equipment with solvent such as **CEMTEC SOLVENT, XYLENE**, toluene or MEK. Do not allow the epoxy to harden on equipment.

## SHELF LIFE:

2 years

## HEALTH & SAFETY

- Avoid application when air and floor temperature are below 10°C
- For vertical surface, build up the thickness with multiple coat. Suggested thickness 100-150 micron WFT.
- Store in room temperature environment 24 hours prior to use.
- Avoid contact with eyes and skin. Epoxy components may cause irritation. Wear protective clothing, gloves, safety goggles at all time.

TSS/TDS/090821/B

### Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

"High Quality Construction Chemicals"  
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The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.