

# EPO SEALER

## PENETRATING EPOXY SEALER



### DESCRIPTION

**EPO SEALER** is a two-component epoxy system designed to penetrate concrete surface. It fills surface pores resulting in improved wear resistance and lower absorption of water and salts. This system is supplied as a 50% solids formulation.

### FEATURES & BENEFITS

- Maximum penetration
- Improves wear and chemical resistance.
- Reduces water and salt absorption
- Dustproofs soft floor surfaces.
- U.S.D.A. approved

### BASIC USES

- Parking decks
- Bridge decks
- Industrial floors
- Improve durability of dusting concrete surfaces.

### TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

Suitable for foot traffic ..... 12-24 hours

Suitable for wheel traffic ..... 48 hours

Total solids 50% minimum

Flexibility 2 mil film: Excellent

Pot Life : 3 hours

Shelf Life: 1 year in original, unopened package in warehouse environment.

### Appearance

EPO SEALER is a clear, two-component epoxy system consisting of a part A and part B. After placement and curing, the product has an even, semi-gloss appearance.

### DIRECTIONS FOR USE

#### Surface Preparation -

New concrete must be a minimum of 28 days old and possess an open, porous and textured surface with all curing compounds and sealers removed. The concrete must be clean and sound. All oil, dirt, debris, paint and unsound concrete must be

removed. The surface should be prepared mechanically using sandblast, shotblast or scarifier which will give a surface profile with the cement paste removed from the surface. The concrete surface should be dry for at least 24 hours for maximum penetration and best results. 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 a bond as strong as that 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.

#### Mixing

All material should be in the proper temperature of 16°C - 32°C. For mixing add Part B into Part A (not the reverse) and mix 2-3 minutes using a drill and mixing prop. The epoxy must be well mixed to ensure proper chemical reaction. After mixing, place immediately.

#### Placement

To apply the sealer to concrete, use a pump-up or airless spray for best results. A short nap roller or lambs wool applicator may also be used.

#### 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.

		CONCRETE SURFACE	FIRST COAT	SECOND COAT	<b>Note:</b>
<b>COVERAGE</b>	Coverage Rates m <sup>2</sup> /liter	Trowelled Smooth Broomed Textured	7.5-9.5  4 - 5	14-20  7.5 - 10	The concrete surface texture greatly affects coverage rates and final appearance. Badly spalled surface may reduce coverage to less than 2.5 m <sup>2</sup> / liter Additionally, introducing silica sand for slip resistance will reduce coverage rates.
<b>PACKAGING</b>	EPO SEALER is an epoxy system that uses a 1:1 ratio - 1 part of A that is mixed with 1 part of B. The units are pre-proportioned and packaged in 1 Gallon Kits.				

## HEALTH & SAFETY

- Follow application rates. Heavy application will result in improper curing and poor performance.
- Wear organic face masks during application
- Do not apply over curing membranes and sealers.
- Do not use over a surface previously treated with chemical hardener such as CEMTEC SILHARD or CEMTEC FLOORHARD.
- Product will yellow with outdoor use upon long exposure to the sun.
- Solvents are Flammable. Keep away from heat, sparks, open flame, or lighted cigarettes. Use explosion-proof application equipments.

### 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.

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.

**"High Quality Construction Chemicals"**  
CONSTRUCTION MATERIAL CHEMICAL INDUSTRIES  
P.O. Box 7137, Dammam 31462, Saudi Arabia,  
Tel: 00966-13-8471450; Fax: 00966-13-8471575  
Email: tech@cmci-sa.com, Web: www.cmci-sa.com