

EPOSEALER

PENETRATING EPOXY SEALER

EPOSEALER 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.

PRIMARY APPLICATIONS

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

FEATURES / BENEFITS

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

PACKAGING

EPOSEALER is an epoxy system that utilizes 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.

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

Suitable for foot traffic	2 - 24 hours
Suitable for wheel traffic	48 hours
Total solids	: 50% minimum
Flexibility 2 mil film	: Excellent
Pot Life	: 3 hours
Shelf Life	: 2 years in original, unopened package in warehouse environment.

Appearance

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

COVERAGE

Coverage Rates m²/liter

<u>Concrete Surface</u>	<u>First Coat</u>	<u>Second Coat</u>
Trowelled Smooth	7.5 - 9.5	14 - 20
Broomed Textured	4 - 5	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 m²/liter. Additionally, introducing silica sand for slip resistance will reduce coverage rates.

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 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.

Mixing - All material should be in the proper temperature of 16°C - 32°C. For each of 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, xylo, toluene or MEK. Do not allow the epoxy to harden on equipment.

PRECAUTIONS / LIMITATIONS

- 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 a surface previously treated with chemical hardener such as CEMTEC SEAL-HARD or CEMTEC FLOORHARD.
- Product will yellow with outdoor use.
- If HVAC intake dusts will distribute solvent odor into adjoining occupied areas of the building, care should be taken to block these ventilation vents.
- Solvents are Flammable. Keep away from heat, sparks, open flame, or lighted cigarettes. Use explosion-proof application equipments.

QUALITY STATEMENT

CMCI manufacture 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 recommendation 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.