

# SPECPOXY SEALER

70% Solids Penetrating Epoxy Sealer

## DESCRIPTION

SPECPOXY SEALER is a high-solids, two-component low viscosity penetrating epoxy sealer designed to protect new and existing concrete against deicing salts and chemical attack. SPECPOXY SEALER penetrates into the concrete pores to form a sub-surface seal to resist the penetration of liquids contaminants, chloride ions and chemical penetration. Its low viscosity also provides an excellent crack healer/sealer to many deteriorated concrete surfaces.

**Primary Applications for SPECPOXY SEALER are:**

- Bridge Decks/Parking Decks
- Auto/truck repair bays
- Concrete crack healer and dustproofer
- Concrete subjected to mild chemical attack
- Manufacturing plants
- Floor restoration projects

## FEATURES/BENEFITS

- Easy 1 to 1 mix ratio
- Penetrates concrete to seal against liquid absorption
- Excellent resistance to a variety of chemicals
- Cures to an amber color
- Easy to apply by brush, roller, squeegee or sprayer
- Structurally restores concrete surfaces

## APPEARANCE

SPECPOXY SEALER is a 2-part epoxy system consisting of a Part A & a Part B. This product, when applied to a dry concrete surface will impact a dark amber appearance.

## COVERAGE

Coverage rate is approximately 100 sq-ft per gallon for broom-finished concrete

Apply @ a minimum 500 sq-ft/gallon on steel-troweled surfaces.

Coverage rate depends on the porosity of the concrete.

**Avoid coatings in excess of 3 mils to prevent solvent encapsulation (soft, uncured film)**

## APPLICATION

**Surface Preparation:** New Concrete must be a minimum of 21-28 days old with all curing compounds and sealers removed.

The concrete must be clean, dry and sound. All oil, dirt, debris, paint and unsound concrete must be removed.

SPECPOXY SEALER is designed as a penetrating sealer. To assure proper adhesion to a hard troweled surface, a test section should be made to see if additional surface profiling (shotblasting/etching) is required.

## APPLICATION (con't)

**Mixing:** All materials should conditioned to a temperature of 55F to 80°F. Mix parts A and B (resin & hardener) separately for one minute using a drill and mixing prop. Then mix the Part A and Part B together for 3 minutes. The epoxy must be well mixed to ensure proper chemical reaction. Once mixed, immediately apply to the surface

**Placement:** This product may be applied by squeegee, roller or industrial sprayer. When applying to seal hairline cracks, flood coat the surface and let the material pool over cracked areas for 5 minutes to assure the cracks are filled. Squeegee or broom away any excess material from the surface.

For improved skid-resistance, broadcast clean dry silica sand to refusal immediately after excess sealer has been removed from the surface. After initial cure, remove excess sand.

Due to variations in the porosity of concrete surfaces, SPECPOXY SEALER may create an irregular amber appearance if not applied uniformly. If desired, additional coats of this product may be applied after the initial SEALER has fully cured. This could be as early as 12 hours, but must be within 24 hours of initial placement.

The choice of an additional coat is selected based upon chemical and wear resistance desired. Contact your local SpecChem distributor or SpecChem directly for recommendations for your particular circumstances.

## TYPICAL TECHNICAL DATA

The following results were developed under laboratory conditions:

Total Solids Content	70%
Color	Clear amber
Mixed Viscosity	60 cps
Pot life @ 70°F, 2 gallon volume	35 min.
Thin Film Dry Time @ 70°F	< 4 hrs
% Elongation (ASTM D638)	38%



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## CLEAN UP

Clean tools and equipment with solvent such as Spec-Chem SOLVENT 100, Xylene, toluene, or MEK. Do not allow to harden on equipment.

## LIMITATIONS/PRECAUTIONS

- Avoid application at air and floor temperatures below 50°F.
- Store indoors at 45°F to 90°F.
- Use in a well ventilated area
- Keep away from sparks and open flames
- Product may yellow in outdoor (strong sunlight) environments
- Epoxy components may cause irritation. Avoid contact with eyes and skin
- Apply only over dry concrete surfaces
- Not designed as a high-build exterior sealer
- Not recommended over new concrete less than 28 days old
- Rubber wheeled vehicles may leave black tire marks.
- If HVAC intake ducts will distribute epoxy odor into adjoining occupied areas of the building, care should be taken to block these ventilation vents.
- Protect from freezing.

**DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!**

## SPECIFICATIONS/COMPLIANCES

SPECPOXY SEALER is certified for use by the USDA for use in federally inspected meat and poultry plants. Available with a fluorescent dye to comply with DOT requirements.

## PACKAGING

2 gallon units  
10 gallon units  
110 gallon units

## SHELF LIFE

Store SPECPOXY SEALER in its original containers and keep tightly closed. Do not allow the accumulation of water, dirt or other contaminants. The shelf life of properly stored SPECPOXY SEALER is two years from date of manufacture.

## WARRANTY

### NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

### WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

### INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.

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Solution to Service

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