TECHNICAL DATA SHEET

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 that resists the penetration of liquid contaminants, chloride ions and chemicals. Its low viscosity also makes it an excellent crack healer/sealer for many deteriorated concrete surfaces.

Primary applications for SpecPoxy Sealer:

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

BENEFITS

- Easy 1:1 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 two-part epoxy system consisting of Part A and Part B. When applied to a dry concrete surface, it imparts a dark amber appearance.

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; remove all oil, dirt, debris, paint and unsound concrete. SpecPoxy Sealer is designed as a penetrating sealer. To ensure proper adhesion to a hard-troweled surface, apply a test section to determine whether additional surface profiling (shotblasting or etching) is required.

Mixing: Condition all materials to 55–80 °F (13–27 °C). Mix Part A and Part B (resin and hardener) separately for 1 minute with a drill and mixing paddle, then mix Part A and Part B together for 3 minutes. The epoxy must be well mixed to ensure a proper chemical reaction. Once mixed, apply to the surface immediately.

Placement: Apply by squeegee, roller or industrial sprayer. To seal hairline cracks, flood-coat the surface and let the material pool over cracked areas for 5 minutes to ensure 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 the excess sealer has been removed; remove the excess sand after initial cure.

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 may be applied after the initial coat has fully cured. This could be as early as 12 hours, but must be within 24 hours of the initial placement. The additional coat is selected based on the chemical and wear resistance desired; contact your local SpecChem

distributor or SpecChem directly for recommendations for your particular circumstances.

COVERAGE

The coverage rate is approximately 100 sq ft/gal (2.5 m^2/L) on broom-finished concrete. Apply at a minimum of 500 sq ft/gal (12.3 m^2/L) on steel-troweled surfaces. Coverage depends on the porosity of the concrete. Avoid coatings thicker than 3 mils (0.08 mm) to prevent solvent encapsulation (soft, uncured film).

TECHNICAL DATA INFORMATION

The following results were developed under laboratory conditions:

Total solids content..... 70%
Color..... Clear amber
Mixed viscosity.....60 cps
Pot life at 70 °F (21 °C), 2 gal (7.6 L) volume 35 minutes
Thin-film dry time at 70 °F (21 °C)..... < 4 hours
Elongation (ASTM D638) 38%

CLEANING

Clean tools and equipment with a solvent such as SpecChem Solvent 100, xylene, toluene or MEK. Do not allow material to harden on equipment.

COMPLIANCE/STANDARDS

- SpecPoxy Sealer is certified by the USDA for use in federally inspected meat and poultry plants
- Available with a fluorescent dye to comply with DOT requirements

PACKAGING

2 gal (7.6 L), 10 gal (37.9 L) and 110 gal (416 L) units

SHELF LIFE

Store SpecPoxy Sealer in its original containers, tightly closed. Do not allow the accumulation of water, dirt or other contaminants. Shelf life of properly stored SpecPoxy Sealer is two years from the date of manufacture.

LIMITATIONS

- Avoid application at air and floor temperatures below 50 °F (10 °C).
- Store indoors at 45–90 °F (7–32 °C).
- 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, block these ventilation vents.
- Protect from freezing.

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

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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