

100% SOLIDS, INTERIOR AND EXTERIOR, HIGH-GLOSS EPOXY SEALER

DESCRIPTION

EP-CLEARSEAL is a two-component, moisture-insensitive, self-priming, impermeable, high-gloss epoxy sealer that exhibits excellent bond strength. EP-CLEARSEAL uses a cycloaliphatic amine curing system for color retention and chemical resistance.

APPLICATIONS

EP-CLEARSEAL is designed for sealing interior and exterior concrete floors and epoxy surfaces. By effectively penetrating and bridging moving cracks, EP-CLEARSEAL creates an impermeable seal on hairline cracks. It is also ideal to use as a top dressing for epoxy grout and chock installations or for locking in aggregate on the E-Chem EP-OVERLAY system.

ADVANTAGES

- Excellent bond strength
- Moisture insensitive
- Easy to mix - 2:1 ratio
- 100% solids
- Low modulus
- Aesthetically appealing
- For decorative and architectural concrete floor finish systems
- U.V. stable for exterior applications

COMPLIANCES

- VOC compliant, 0 g/L
- USDA Approved (Incidental Food Contact Materials)
- Made in America

PACKAGING

1-gallon unit

- Component A: (2) 1-gallon cans (partial fill)
- Component B: (1) 1-gallon can (partial fill)

3-gallon unit

- Component A: (2) 1-gallon cans
- Component B: (1) 1-gallon can

15-gallon unit

- Component A: (2) 5-gallon pails
- Component B: (1) 5-gallon pail

Appearance of Components: A - Clear, B - Clear

Shelf Life: 2 years in original unopened container

Storage: 40°F to 95°F in dry and dark conditions

Temperature Considerations: IMPORTANT! Epoxy resins are temperature sensitive and care should be taken to condition all components to between 65°F to 85°F for a minimum of 24 hrs. prior to mixing and placement. Temperatures colder than stated range increase viscosity of resins and inhibit mixing and flow of materials. Temperatures warmer than stated range decrease viscosity of resins, hasten the cure and reduce the working time. Mixing and curing at less than ideal temperatures, <60°F or >95°F, will require special considerations.

COVERAGE

Floor Coating	Top Coat	Grout Sealing
1 gallon/60-80 sq. ft.	1 gallon/100-120 sq. ft.	1 gallon/50-70 sq. ft.

CURE TIME

Use the table below to determine minimum cure times.

LABORATORY TESTS	RESULTS
D2471 Gel Time	30 minutes
Tack Free Time	6 hours
Initial cure @ 75° F	24 hours*

*Allow 48-72 hours depending on temperature before opening to vehicular traffic.

INSTALLATION

Surface Preparation (Floor Coating): Clean surface by shot-blasting or sandblasting to create a bonding profile (CSP 2-3) and to remove curing compounds and all contaminants (dirt, oil, grease, laitance, etc.). Remove dust and debris by blowing off with oil-free compressed air or vacuuming surface.

Surface Preparation (Top Coat or Grout Sealing): Ensure surface has sufficient cure. Epoxy based substrates may be sealed upon achieving tack free surface. Remove all surface contaminants and blow off with oil free compressed air or vacuum surface. A solvent wipe prior to placement will ensure bond to substrate.

Mixing: Mechanically mix two parts by volume of Component A and one part by volume of Component B with a Jiffy mixer and low-speed drill at 300 rpm for a minimum of three minutes, moving mixer around edges of container to ensure complete mix. Mix only the quantity that can be used within its gel time. *Note:* If using product with pigment, add entire contents of supplied pigment container to A side and pre-mix until uniform color is achieved. If using partial units, pre-mix A side containing pigment before proportioning. Begin mixing procedure as outlined above. Can be reduced with approved solvents. Contact E-Chem representative for clarification.

Placement: Apply by pouring out a ribbon of mixed EP-CLEARSEAL and spread with a squeegee and back roll at the specified rates depending on the profile and porosity of the substrate. Full units will set very fast in mass. Once material is mixed, pour into several areas and spread. Thin sections will allow for ample working time. Do NOT use mixed material from container once it begins to generate heat, as there will not be sufficient time to place. Allow product to fully cure before opening to traffic.

LIMITATIONS

- For professional use only
- Vapor pressure not to exceed 3 lbs./1,000 sq. ft.
- Minimum age of concrete must be 28 days before applying product as a concrete sealer.
- Substrate temperature should be a minimum of 50°F.
- Consult E-Chem technical department when used on exterior slab on grade subject to freezing.
- EP-CLEARSEAL is a vapor barrier after curing.
- Contact E-Chem representative when reducing with solvents.
- Consult E-Chem representative when mixing or placing outside of the temperature recommendations listed.

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CLEAN UP

EQUIPMENT: Uncured material can be removed with C-Clean100 or approved solvent. Cured material can only be removed mechanically.

MATERIAL: Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations.

CAUTIONS

READ SDS PRIOR TO USING PRODUCT!

- Component A: Irritant
- Component B: Corrosive
- Product is a strong sensitizer. Use of safety goggles and chemical resistant gloves are recommended.
- Use in a well-ventilated area and avoid breathing vapors
- Use of a NIOSH/MSHA organic vapor respirator is recommended if ventilation is inadequate.
- Avoid skin contact

FIRST AID

EYE CONTACT: Flush immediately with water for at least 15 minutes. Contact physician immediately.

RESPIRATORY CONTACT: Remove person to fresh air.

SKIN CONTACT: Remove any contaminated clothing.

Remove epoxy immediately with a dry cloth or paper towel. Solvents should not be used as they carry the irritant into the skin. Wash skin thoroughly with soap and water.

IF INGESTED: Do not induce vomiting. If swallowed give water to drink. Seek medical treatment immediately.

GENERAL: Remove contaminated soaked clothing immediately. In the event of persistent symptoms receive medical treatment.

CURED EPOXY RESINS ARE INNOCUOUS.

WARRANTY

This product is warranted and guaranteed to be of good quality. Manufacturer, as its sole and exclusive liability hereunder, will replace material if proved defective. This warranty and guarantee are expressly in lieu of all others, express or implied, including any implied warranty of merchantability or fitness for a particular purpose and may not be extended by representatives or any persons, written sales information, or drawing in any manner whatsoever. While the manufacturer recommends uses for the product based on tests believed reliable, no warranties, express or implied, or guarantees can be given as to particular methods of use or application, nor can performance be warranted, expressly or impliedly, or guaranteed under special conditions. Distributors, salespersons or company representatives are not authorized to extend or vary any warranties or guarantees beyond those outlined herein, nor may the manufacturer's or seller's limitation of liability be waived or altered in any manner whatsoever.