

PRODUCT DATA

Epoxy Sealer

EPOXY SEALER is a 100% solids epoxy coating is designed for application in corrosive environments. This product may be used as either a topcoat or a sealer. When used as a topcoat, this two-component epoxy enhances the chemical and abrasion resistant properties of concrete. Epoxy Sealer offers superior protection for new and old surfaces when applied as a concrete sealer. Epoxy Sealer is U.S.D.A. approved for incidental food contact. Available in thickened version for vertical applications.

FEATURES:

- 100% solids formulation
- Easy to use
- Improves chemical resistance of concrete
- Improves abrasion resistance of concrete
- Can be used as a topcoat or concrete sealer
- Can be applied to new or old surfaces

APPLICATIONS:

Epoxy Sealer can be applied as a protective topcoat to enhance chemical and abrasion resistance and the ability to clean concrete or as a concrete sealer for superior protection of concrete surfaces. Some application areas include:

- Clarifiers
- Epoxy floors
- Pits
- Trenches
- Concrete floors
- Sumps
- Stock chests
- Wastewater vessels
- Walls (thickened version)

For best results on concrete surfaces, use a penetrating primer.

PHYSICAL AND CHEMICAL CHARACTERISTICS:

Compressive Strength:	11,800 psi (ASTM D-695-77)
Compressive Modulus:	1.95 x 10 ⁵ psi (ASTM D-695-77)
Tensile Strength:	7,100 psi (ASTM D-638-77a)
Tensile Modulus:	3.6 x 10 ⁴ psi (ASTM D-638-77a)
Tensile Elongation:	10.7% (ASTM D-638-77a)
Flexural Strength:	12,500 psi (ASTM D-790-71)
Flexural Modulus:	3.7 x 10 ⁵ psi (ASTM D-790-71)
Hardness:	80-85 (ASTM D-2240/Shore D Durometer)
Bond Strength:	>400 psi (100% concrete failure)
Abrasion Resistance:	0.04 gm/1000 revolutions (ASTM D-4060, Taber Abrader) (5-17 wheel 1,000 gm load)
Water Absorption:	0.1% (ASTM C-413)
Flammability:	self-extinguishing (ASTM D-635) Extent of burning 0.25 in. max
Heat Resistance:	140°F/60°C continuous exposure 200°F/93°C intermittent exposure
Cure Rate (at 77°F/25°C):	12 hours for foot traffic 18 hours for light traffic 24 hours for normal traffic

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PACKAGING: 1 gallon units. Part A is packaged in a metal pail, Part B in a plastic jug. 3 gallon units available on special order.

COVERAGE: Approx. 150 sq. ft. per gal. (at 6-10 mils thickness). Thickened version: approx. 100-125 sq. ft. per gal.

PREPARATION: (See SDS Sheet Before Using) When used as a topcoat: To remove trowel marks and present an even, level surface, use a floor grinder with medium stones and vacuum resulting dust before applying Epoxy Sealer. When applied as a concrete sealer: Epoxy Sealer bonds to most existing surfaces with an appropriate primer. Apply the primer following any applicable instructions. Substrate must be exposed by acid-etch or mechanical means for secure bonding.

MIXING: Pre-mix components to re-disperse any settled fillers or pigments. Mix Epoxy Sealer by combining one pre-measured container of resin with one pre-measured container of hardener. Mix thoroughly with a drill-stirrer. Materials should be mixed for approximately two minutes. No induction time is required. The material may be applied immediately.

APPLICATION: Apply the material by squeegee, roller or brush. Apply in a thin, even film of 10-20 mils thickness. If a second coat is being applied, apply second coat 8-20 hours after applying first coat. Do not allow complete cure between coats. When using concrete primer, apply the primer in a very thin, even film with no build up or puddling and coat Epoxy Sealer over the primer before it has completely cured.

POT LIFE: 30 minutes at 77°F.

TEMPERATURE LIMITATIONS: During the installation and cure of Epoxy Sealer, surface temperatures of 70°F-90°F are recommended. Epoxy Sealer should also be used at room temperatures.

HARDENING AND CURE: Epoxy Sealer hardens for foot traffic in 12 hours at 77°F. Complete cure may require 24-72 hours, depending on temperature and humidity.

STORAGE AND SHELF LIFE: Materials should be stored at room temperature (75°F). Stored at room temperature in unopened original containers, materials have a 1 year shelf life.

PRECAUTIONS: READ AND UNDERSTAND ALL CONTAINER LABELS AND SAFETY DATA SHEET (SDS) before using any product. Contact with liquids Part A and B can cause irritation. Wear protective clothing. Cover hands with protective gloves. Wear chemical splash goggles. Use only with adequate ventilation. **Never recap a container of mixed material as the continuing reaction may cause an explosion.**

ADDITIONAL INFORMATION: For complete safety information refer to the material SDS. For additional information, contact us at 888-809-2365.

LIMITED WARRANTY: Product manufacturer warrants that the products are in conformance to the formulation standards of manufacturer and that such products are free from manufacturing defects. Purchaser's only remedy is replacement of the product. Manufacturer does not warrant or guarantee the workmanship performed by any person or company installing its products. In no event shall Manufacturer be liable for any incidental or consequential damages. This warranty is expressly given in lieu of all other warranties express or implied, including the warranties of merchantability and fitness for use and all other obligations or liabilities on Manufacturer's part. Manufacturer neither assumes nor authorizes any person or persons to assume for us any other liability in connection with the sale of Manufacturer's products. This warranty shall not apply to any of Manufacturer's products which have been subject to alteration, abuse or misuse. Manufacturer makes no warranty whatsoever in respect to parts, materials or accessories not supplied by Manufacturer which are used in connection with its products. The purchaser accepts these terms and conditions and hereby expressly waives any claim to additional damages.

CAUTION: Always keep out of the reach of children.