

A-Tech Concrete Sealer

Description and Uses

A-Tech Concrete Sealer water repellent is a water-based emulsion of siloxane and alkylalkoxysilane (8%) solids. Concrete Sealer penetrates into exterior concrete substrates to protect against water penetration.

Concrete Sealer penetrates the concrete substrate and chemically bonds itself. This provides a long lasting protection from water penetration, staining or deterioration. Concrete Sealer will not darken the substrate or develop a film on the surface. The substrate can still naturally breathe after application to release water vapor.

Concrete Sealer is ready to use. Simply stir before use. Do not dilute.

Concrete Sealer Prevents and Inhibits

- Moisture penetration
- Deicing salt attack
- Corrosion of steel reinforcement
- Spalling
- Efflorescence

Advantages

- Water-based emulsion
- VOC compliant
- Substrate traction remains the same
- No color change
- Chemical bond to substrate
- Protection against deicing salt

Specifications

- Active Content: 10% water based Oligoerous Alkylalkoxy Siloxane

Property	Test	Result
Chloride ion Reduction	NCHRP Report 244	94% Reduction
Weight Gain	NCHRP Report 244	88% Reduction
Vapor Transmission		Excellent. No moisture retained after 21 days.
Water Repellency	ASTM E-514	100% Reduction Penetration
VOC Content		<200gm/L

Coverage (Sq. Ft/Gal)

Clay brick, Exposed Aggregate, Smooth and Glazed Brick	150-175
Stucco, Rough Stone	100-150
Concrete	80-150
Precast Concrete	125-150
Concrete Block	60-90

Drying Time

Will dry clear and transparent in 1-2 hours @72° F.

Clean Up

Equipment- Soapy water

Limitations

Test a 3' x 3' sample of the substrate to be sprayed with Concrete Sealer for compatibility. Do not apply to a wet surface or when rain is predicted. 12 month shelf life in a sealed container. Concrete must be cured 28 days. Will not seal cracks in concrete, masonry or mortar.

Cover and protect all glass, metal and vegetation from overspray.

Clean overspray immediately with soap and water

Application Instructions

Preparation: New concrete must be cured for 28 days prior to application. Curing compounds may not be compatible and may have to be removed. Mortar must be cured for 3 days prior to application. Surfaces must be clean, dry, and free of grease and oil. High pressure cold water washing may be necessary to remove contaminants.

Chemical cleaning or hot water with high pressure may be performed. Thoroughly rinse the chemical cleaner from the substrate prior to application. Substrate surface is adequately clean when Concrete Sealer is immediately absorbed by the substrate.

Installation: Stir before use. The substrate surface must be completely dry. Allow 24 hours of dry time before application. Application temperatures are between 40° F and 100°F. Do not apply if rain is expected in 24 hours. Do not apply in high winds. Apply a single application of Concrete Sealer with low pressure spray equipment, roller or brush. Use a fan spray nozzle for greatest efficiency.

On vertical surfaces apply the material starting at the bottom of the wall. Work your way up the wall so that Concrete Sealer will run down the surface 6-8" below the spray pattern. For porous vertical applications, apply a second application while the first is still wet.

On horizontal surfaces, Concrete Sealer should be applied to completely flood the surface. Coverage rate will average 125 sq. ft. /gal. Spread puddles with a brush or broom. Keep traffic off of the surface for 1-4 hours or until the surface is dry.

Drying Time

Will dry clear and transparent in 1-2 hours @72° F.

Clean Up

Equipment- Soapy water

Warning

- Use with adequate ventilation
- Keep out of reach of children
- Do not take internally
- In case of ingestion call a physician, do not induce vomiting

Warranty

Applied Technologies warrants that for a period of 12 months from the date of manufacture or for the duration of the published shelf life, whichever is less, that at the time of shipment, the product is free of manufacturing defects and conforms to published specifications in force on the date of acceptance by "the company" of the order. Applied Technologies shall only be held liable under this warranty if the material has been stored, used and applied in accordance with Applied's instructions in the products technical data sheet.

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