

# A-Tech Masonry Sealer

Water Repellant for Brick, Masonry, Concrete, Concrete Block

## Description and Uses

Masonry Sealer is a water-based emulsion of siloxane and alkylalkoxysilane (7-10%) solids. Masonry Sealer penetrates into masonry and concrete substrates to protect against water penetration.

Masonry Sealer penetrates the masonry substrate and chemically bonds itself. This provides a long lasting protection water penetration, staining or deterioration. Masonry Sealer will not darken the substrate or develop a film on the surface. The substrate can still naturally breathe.

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

## Masonry 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: 7%-10% water based Oligomeric Alkylalkoxy Siloxane

- NCHRP Report 244 – 77% Reduction in chloride ion content
- Vapor Transmission- Excellent. No moisture retained after 21 days.
- Water Penetration through Masonry ASTM E-514 (10% Siloxane) ( With simulated wind driven rain at 62.5 mph 100.6 kph) Average Reduction- 83%

## 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 Masonry 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<sup>o</sup> F and 100<sup>o</sup>F. Do not apply if rain is expected in 24 hours. Do not apply in high winds.

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



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Apply a single application of Masonry 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 Masonry Sealer will run down the surface 6 inches below the spray pattern. For porous vertical applications, apply a second application while the first is still wet.

On horizontal surfaces, Masonry 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.

## Coverage (Sq. Ft/Gal)

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

## Drying Time

Will dry to a clear transparent film in 1-2 hours @72<sup>0</sup> F.

## Clean Up

Equipment- Soapy water

## Limitations

Test a 3' x 3' sample of the substrate to be sprayed with Masonry Sealer for compatibility. Do not apply to a wet surface or when rain is predicted. 12 month shelf life in a sealed container.

## 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
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## 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.

The purchaser must inspect the product when received and promptly notify the company in writing of any nonconformity before the product is used or no later than 30 days after such non-conformity has been discovered. If Applied Technologies, in its sole discretion determines that the product breached the above warranty it will in its sole discretion replace the non-conforming product, refund the purchase price or issue a credit to the buyer of the product.

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