

A-Tech Hydra-Block Penetrating Concrete & Masonry Sealer

Description and Uses

A-Tech Hydra-Block penetrating concrete and masonry sealer is a ready to use water-based solution of sodium silicate. Hydra-Block penetrates into the concrete or masonry substrate and fills microscopic capillaries. Sodium silicate reacts with free lime in the substrate to form a chemically hardened surface. This prevents water, water vapor and gas from being transmitted through the substrate. Reduces substrate dusting. Sodium silicates have been used to aid in the curing process for surfaces scheduled to receive subsequent penetrating treatments and/or specialty coatings. No surface preparation is required when using Hydra-Block as a curing aid. Apply Hydra-Block to freshly poured concrete immediately following the final finish operations when the surface has stiffened sufficiently to support applicator. The substrate color will not change or have a shiny appearance.

Hydra-Block Prevents and Inhibits

- Moisture penetration
- Vapor transimission
- Dusting
- High humidity
- Spalling
- Efflorescence

Advantages

- Water-based
- Vapor impermeable
- VOC compliant
- Substrate traction remains the same
- No color change
- Chemical bond to substrate

Where to use

- Concrete basement interior walls and floors
- Concrete block basement interior walls and floors
- Interior masonry

Active Content: Water-based sodium silicate

Limitations

Test a 3' x 3' sample of the substrate to be sprayed with Hydra-Block for compatibility. 12 month shelf life in a sealed container. Will not seal cracks in concrete, masonry or mortar.

Not for use on colored concrete. Will stain glass, metal and other trim. Clean immediately with water. Not for use in areas where vapor permeability is desired. If vapor permeability is desired, use A-Tech Concrete Sealer or A-Tech Brick and Masonry Sealer.

Coverage (Sq. Ft/Gal)

Clay brick	150-200
Stucco, Rough Stone	100-200
Concrete	150-200
Precast Concrete	150-200
Concrete Block	100-140

Drying Time

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

Clean Up

Equipment- Soapy water
Cover and protect all glass, metal and vegetation from overspray.
Clean overspray immediately with soap and water

Application Instructions

Air and surface temperature must be above freezing during application and for three days after application. Do not apply to hot surfaces or in direct sunlight. Ready to use. Do not dilute. Apply using a low pressure sprayer with fan pattern tip.

1. Remove any paint, sealers, or adhesives on substrate. Clean off any oil, dirt, rust or wax. Remove existing efflorescence or laitance. Mask glass, metal, tiles and plants to prevent overspray.
2. Lightly dampen substrate with water using a mop or sprayer.
3. Shake or stir Hydra-Block before using
4. Concrete Application-Use 2 -3 light coats. Concrete Block Application-Use 3-4 light coats. Clay Brick Application-Use 2-3 light coats.
5. Spray a section at a time. After spraying for 20-30 minutes return to original area and re-apply when surface is still damp.
- 6a. **Horizontal Application**-Spray sealer in a fine mist until the surface is saturated. Re-apply to fast drying areas to maintain a wet look. Do not allow to puddle or run. Spread any puddles with a roller. Wipe off excess with a wet rag within 10 minutes of application.
- 6b. **Wall Application**- Begin at bottom and work your way up the wall. Do not allow product to run. Spray sealer in a fine mist until the surface is saturated. Re-apply to fast drying areas to maintain a wet look. Wipe off excess with a wet rag within 10 minutes of application.

Drying Time

Will dry clear and transparent in 1-2 hours @72^oF. Allow to dry 24 hours before allowing traffic.

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.

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. The dollar value of Applied's liability and the buyer's remedy under this limited warranty shall not exceed the purchase price of the material in question. This is the only warranty extended by Applied. There are no other warranties including implied warranties of merchantability and fitness for a particular use and purpose. Applied specifically disclaims liability for any incidental, consequential or other damages including but not limited to, loss of profits or damages to a structure or its contents.

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