

# Guidelines

## Aqua-Stop Water Repellent Silicon Concrete Sealer

### Product Description

Aqua-Stop is a water based, VOC compliant, deep penetrating, ready-to-use silane/siloxane water repellent emulsion manufactured for both vertical and horizontal surfaces. Aqua-Stop is a breathable, colourless, non-yellowing, non-staining, non-flammable, and non-film forming water repellent. It is manufactured for use on a wide variety of mineral substrates including concrete block, pavers, stucco, porous and dense brick, concrete driveways, and poured concrete for protection without altering the appearance or texture of the treated substrate.

Aqua-Stop is a low odor silicone emulsion that applies milky-white to aid uniform coverage and dries in 2-3 hours @ 20 Degrees Celsius to a clear matte finish. Maximum water repellency is not achieved for 72 hours depending on curing conditions.

### General Uses

- Aqua-Stop provides water repellency to reduce efflorescence, erosion, cracking, spalling, and freeze/thaw damage due to water penetration.
- Aqua-Stop provides excellent beading water action for improved aesthetics.
- Aqua-Stop physically and chemically bonds to the surface, lengthening substrate life, reducing biological growth and dirt pickup and making cleaning easier to reduce maintenance costs.
- Aqua-Stop is formulated to minimize darkening effects (wet look) as not to change the appearance of the substrate. Testing on all substrates is recommended before commercial application.

### Surface Preparation

Surfaces must be clean and dry before applying. Remove dust, dirt, oils, grease, curing compounds, previous coatings, efflorescence, and laitance before applying Aqua-Stop.

If cleaning solutions and/or acids are used during the cleaning process, neutralize and remove all residue before applying. Before using any surface preparation method, a test patch should be performed with the customer's approval to ensure that their needs are met.

Allow new concrete to cure for at least 28 days before application. Prior to application, joints or cracks must be properly sealed or filled. Aqua-Stop will not bridge physical cracks. To remove dirt, lichen, moss and mildew use a recommended cleaner such as Nutech Hypo or 1 part household chlorine bleach to 3 parts water containing a non-ammoniated detergent. After cleaning, rinse surface thoroughly with water.

Cover surfaces not to be sealed (windows, doors, vehicles, shrubbery, etc.). Use caution if applying Aqua-Stop with a sprayer. Avoid overspray on windows and other glass surfaces to prevent etching damage. Thoroughly flush any contaminated surface with clean water immediately.

### Application

Apply Aqua-Stop to bare surfaces only.

Apply Aqua-Stop using a low-pressure hand pump sprayer (garden sprayer), airless sprayer, brush, broom or roller. Product application should be from the top down to ensure uniform coverage. A minimum of 2 saturated coats of Aqua-Stop with a 150 to 300 mm controlled rundown is recommended.

To ensure complete coverage the second coat should be applied "wet on wet." Additional coats may be required on very porous surfaces. Apply a test patch to evaluate surface appearance and effectiveness of the coverage rate. Do not allow Aqua-Stop to pool or puddle on non-porous surfaces to prevent discoloration. Mop up excess product before it dries to prevent rings or patching.

## Technical Data

### General Coverage Guidelines

Surface	Coverage* (sq/m. litre)	Water Dilution
Architectural Concrete	2	N/A
Concrete Block**	2	N/A
Poured Concrete	4.5	N/A
Concrete Pavers	4.5	1:1
Stucco	1	N/A
Brick	3	N/A
Exposed	3	N/A
Aggregate Concrete	3	N/A
Split-Face Block**	3	N/A

\*Actual coverage will vary depending on surface porosity. For second coat application, increase coverage by 50%.

\*\*Profiled decorative block, because of its irregular surface, will increase the usage rate.

### Aqua-Stop Film Properties

- Appearance Clear, matte
- Water Resistance Excellent
- Light Stability Excellent

### Aqua-Stop Liquid Properties

- Solids 10%
- Solvent Water
- Shelf Life Approximately 1 Year
- Appearance Milky White
- Odor Low
- Recovery From Freeze/Thaw 1 cycle
- Application Temperature 7-32°C
- VOC >200 grams/liter

### Health Data

#### Inhalation

Certain individuals may be sensitised and experience minor nausea or headaches. Remove the individual to fresh air. If symptoms persist, seek medical attention.

#### Skin Contact

Prolonged skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before re-use. If symptoms persist, seek medical attention.

# Guidelines

## Eyes

Contact with eyes may cause irritation. Flush eyes with water for 15 minutes. If symptoms persist, seek medical attention.

## Swallowed

May cause gastric distress, vomiting and diarrhea. Induce vomiting and seek immediate medical attention.

## Cautions/Limitations

- Do not use below surface grade, or where hydrostatic pressure is expected.
- Do not apply if the air, substrate or product temperature is less than 7°C. Temperatures higher than 7°C must be obtained in the first 24 hours after application.
- Do not apply if rain is imminent within 12 hours of application.
- Uneven application may result in blotchy appearance of the surface.
- Use in a well-ventilated area.
- Do not dilute unless for use on concrete pavers. 1:1 of Aqua-Stop with water is recommended
- Aqua-Stop does not protect against standing water. It is not meant to be used as an immersion product in pools or where continuously exposed to water (birdbaths, fish ponds, etc.) and is not recommended for potable water supplies (drinking water).
- Do not apply to glazed tile, glazed brick, or previously painted, or sealed surfaces.
- Keep out of reach of children.
- Top coating with paints and mastics not required.
- Do not apply to wood.
- Do not apply over existing coatings.
- Do not allow product to puddle when applied to horizontal substrates.
- Not resistant to oils and fluids

## Maintenance

No maintenance required.

## Clean Up

Thoroughly rinse all application equipment with clean water.

## Availability

Aqua-Stop is available through dealers and distributors in 4, 10, 20, 200 and 1000 litre containers.

## Disposal

Contains no chromium, lead, mercury or hazardous, poisonous materials. Place empty, open containers, in normal refuse for disposal. Contact your local Government Household Hazardous Waste Coordinator for information on disposal of unused product.

## Warranty

Guarantee of this product, when used according to the directions, is limited to refund of purchase price or replacement of product, if it is defective. Nutech shall not be liable for cost of labor or direct and/or incidental consequential damages. This guarantee gives you specific legal rights, and you may also have other rights, which vary from state to state.

## Technical Support

The technical information is as reliable as current technology allows. Additional information, including MSDS may be obtained by calling your Distributor or our Technical Service Department.