TechCrete® Premium Masonry Waterproofing Agent is a modified silicate solution that provides sealing and water resistance benefits to masonry, block, brick and concrete. It penetrates into the surface to form a gel. This gel creates a sub-surface barrier against the ingress of water and contaminants. TechCrete Premium Masonry Waterproofing Agent penetrates into the surface and does not change the appearance of the masonry.

TechCrete Masonry Waterproofing Agent will provide a long-term barrier against moisture and many natural oils and contaminants.

KEY BENEFITS
Excellent performance with re-application every 7-10 years or more. Provides a stable barrier to protect against moisture penetration.

TYPICAL APPLICATIONS
• Brick & Block Walls
• Vertical Stone Walls
• Retention Walls
• Concrete Walls

PRODUCT PROPERTIES
• Colorless, clear to slightly opaque, odorless, soapy feel
• Non-toxic & Biodegradable
• Percent non-volatile solids: 13.5%
• Specific gravity at 77°F (25°C): 1.225
• Flash point: no true flash: boils at 214°F (101°C)
• Auto-ignition temperature: N/A Non-explosive
• Viscosity: 14.3 centipoise or 0.1172 Stokes
• Hazardous chemicals: Sodium Silicate (modified)
• pH 11.7

PERFORMANCE CHARACTERISTICS
• Protects surface against moisture penetration
• Reduces scaling in freeze-thaw environments by 89% at 50 cycles
• Non-toxic and safe for the environment

PACKAGING
TechCrete Masonry Waterproofing Agent is supplied in the following sizes;
1 gallon bottle  (3.8 liters)
5 gallon pails  (18.92 liters)
55 gallon drums (208.2 liters)

APPLICATION
Basic Requirements
TechCrete Premium Masonry Waterproofing Agent must be applied to a clean, dry, dust-free surface. If the surface is not clean, then the use of one of the following Alchemco Clean & Repair (ACR) products, or a shot blast system, is required for prepping the surface for warranted applications. Chemical cleaning may require multiple applications, and the use of different products, to achieve complete cleaning. Certain types of cleaning equipment may improve performance and speed of application when applying chemical cleaners. Contact the Technical Department for a list of approved equipment and cleaning methods.

• ACR Concrete & Masonry Cleaner
• ACR Concrete & Masonry Etch
• ACR Emulsifying Cleaner
• ACR Paint & Stain Remover
• ACR Rust Converter & Inhibitor

Contact the Technical Department for help and directions for which cleaning product will provide the best result for a clean surface.

If there are questions which product or combination of products to use, contact the technical department at 800-610-2895.

It is recommended that where segregation, voids or chip out are apparent, that ACR Patch & Repair or ACR HP Concrete Repair be utilized.

Do not apply where ambient temperatures are below +39°F (+4°C) or above +95°F (+35°C).

Do not apply within 24 hours of the surface being wet.

Application Rates
Normal: 1 gallon per 200 square feet (1 liter per 5 square meters) on average. Can vary depending on substrate absorption, including age of surface and type of surface.

Application Method
1. Using a low pressure sprayer, apply the solution to vertical surface at a rate of between 160-240 square feet per gallon (4-6 square meters per liter).
LIMITATIONS
TechCrete Premium Masonry Waterproofing Agent is not suitable for sealing working/volatile cracks as a result of structural defects or caused by mechanical damage.

SHELF LIFE & STORAGE
No known limit to shelf life. Keep container sealed and avoid prolonged exposure to direct sunlight. Always agitate before use.

WARRANTY & SYSTEMS
The following warranties require the use of TechCrete Premium Masonry Waterproofing Agent and are only available through TechCrete Certified Applicators:


The following warranties are available when using TechCrete Masonry Waterproofing Agent:

• New & Existing Construction: TechCrete **20-Year Limited Liability Material Warranty**. This warranty requires the project to be registered.

• New & Existing Construction: TechCrete **2-Year Limited Liability Material Warranty**.

For additional information about the Alchemco system specifications or available warranties, either contact your local Alchemco distributor or Alchemco’s Technical Department at info@alchemco.com or call 800-610-2895.

WARNINGS

**DANGER! TOXIC IF SWALLOWED**
This product contains Sodium Silicate and may be harmful if swallowed. Wash hands, face and any exposed skin thoroughly after handling. Keep container tightly closed. Do not eat, drink or smoke when using this product.

**IF SWALLOWED:** Immediately call a POISON CONTROL CENTER or doctor/physician. Rinse mouth.

See Safety Data Sheet for further details regarding safe use of this product. Alchemco, 8590 Sanford Drive, Henrico, VA 23228 800-610-2895.