

ACR® Accelerating Agent is an acetic based solution designed to be used as part of the TechCrete 2500 Waterproofing System in order to decrease the time between application and use. ACR Accelerating Agent expedites and enhances the sealing and waterproofing of cracks in the concrete.

ACR Accelerating Agent is required for all TechCrete system warranty applications.

KEY BENEFITS

Long-term performance with no re-application or future maintenance required. Expedites and enhances the sealing and waterproofing of cracks in the concrete.

TYPICAL APPLICATIONS

- Rooftops & Podium Decks
- Parking Deck
- Precast elements & panels
- Facades
- Specialty Applications
- Tiled Showers
- Airport Runways, Taxiways, & Aprons
- Wharf Decks & Marine Structures

PRODUCT PROPERTIES

- Slight acetic odor
- Non-toxic & Biodegradable
- Percent non-volatile solids: 7.5%
- Flash point - no true flash - boils at 101°C (214°F)
- Auto-ignition temperature - N/A Non-explosive
- Viscosity -.890
- Hazardous chemicals - None
- pH 6.3 - 9.6

PERFORMANCE CHARACTERISTICS

- Increases the calcium content of the concrete
- Helps seals cracks up to 5/64" (2.0 mm)
- Non-Toxic and environmentally safe

PRECAUTIONS

Protect glass, aluminum, wood and painted surfaces, terra-cotta and glass-glazed tiles, red brick, marble and travertine from over-spray.

TESTING

The **NSF/ANSI 61** is a set of national standards that relates to water treatment and establishes **stringent requirements** for all equipment and products that come in contact with either **potable (drinking) water** or products that support the production of potable water.

ACR Accelerating Agent has been UL Certified NSF/ANSI 61.

APPLICATION

ACR Accelerating Agent should only be applied to a surface that has already received treatment from an Alchemco waterproofing product. ACR Accelerating Agent is required for any system warranties offered by Alchemco. Any additional application questions should be directed to the Technical Department at 800-610-2895.

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

Application Rates

Normal: 1 gallon per 200 square feet (1 liter to 5 square meters) on average. Can vary depending on substrate absorption, including the age of concrete and original density.

Application Method

1. On Step 1 - Apply Alchemco waterproofing product in accordance with its directions and application rates. When the surface becomes touch dry - (usually 2-6 hours depending on wind conditions and ambient temperature) flood spray the treated areas with water. If the product is still wet at 6 hours, begin first watering.

2. On Step 2 - Once the area has dried of the Alchemco waterproofing product, apply ACR Crack & Void Treatment to all cracks that are less than 5/64" (2.0 mm), then apply ACR Accelerating Agent to the **entire** surface of the concrete.

3. On Step 3 - Once area has become dry.

4. After the third watering, block drains and pond area for a minimum of 12 hours to verify the waterproof seal.

Performance Timeline

The TechCrete Waterproofing System utilizes a modified silicate gel forming technology to stop water penetration. TechCrete Waterproofing System agents penetrate into the concrete. The addition of ACR Accelerating Agent reacts with Alchemco waterproofing products to form a barrier to water, stopping the water from within the concrete rather than on the surface. The technology is catalytic in nature and **requires between 3 – 5 days for the products to reach full water stopping capabilities.** Full waterproofing should not be expected until complete gel formation has been achieved. NOTE: The surface will continue to accept water, so a flood test is required to determine if full waterproofing has been achieved.

LIMITATIONS

ACR Accelerating Agent is not a sealing solution, it enhances the effectiveness of the TechCrete 2500 Waterproofing System and should never be used without the application of an Alchemco waterproofing product.

PACKAGING

ACR Accelerating Agent is supplied in the following sizes;

- 5 gallon pails (18.92 liters)
- 55 gallon drums (208.2 liters)

SHELF LIFE & STORAGE

Containers should be sealed and kept in a cool, dry location. Avoid prolonged exposure to direct sunlight. If properly maintained this product has a shelf life of one (1) year.

WARRANTY & SYSTEMS

The following warranties require the use of **ACR Accelerating Agent** and are only available when the full system is applied by a *TechCrete Certified Applicator*;

- New Construction: TechCrete **DIAMOND** 30-Year Limited Liability Material & Labor Warranty.
- New & Existing Construction: TechCrete **EMERALD** 15-Year Limited Liability Material & Labor Warranty.

The following warranties are available when using **ACR Accelerating Agent**;

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

This product 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, 3532 Mayland Court, Henrico, VA 23233. 800-610-2895.



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WARRANTY DISCLAIMER

Because of conditions of use which may be beyond our control, Alchemco shall not be held responsible in any manner for any personal injury or property loss resulting to the buyer or any other person from handling, storage, or use of this material not in accordance with directions. The buyer and/or user assumes all risk and liability resulting from improper handling or usage. There is no warranty expressed or implied of any kind, except as supplied in writing.