TechCrete
Waterproofing System

Crack & Void Treatment

TechCrete® Crack & Void Treatment is an acetic based solution designed to be used in combination with TechCrete 2500 Waterproofing Agent, in order to increase the effectiveness of the TechCrete Waterproofing System, to seal small cracks and voids in the concrete. This product is to be used only for cracks and voids and should not be used for general applications.

KEY BENEFITS

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

TYPICAL APPLICATIONS

- Rooftops & Podium Decks
- Parking Decks
- Precast Elements & Panels
- Facades
- Specialty Applications
- Tiled Showers
- Airport Runways, Taxiways, & Aprons
- Wharf Decks & Marine Structures.
- Tiled Areas (no terra-cotta or glass-glazed)

PRODUCT PROPERTIES

- Slight acetic odor
- Non-toxic & Biodegradable
- Percent non-volatile solids: 7.5%
- Flash point - no true flash - boils at 214°F (101°C)
- 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
- Enhances the sealing of cracks up to 5/64" (2.0 mm) on initial application and will help to seal future non-structural cracks up to 1/64" (0.4 mm), **except for cold joint applications**
- Non-toxic

PRECAUTIONS

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

APPLICATION

TechCrete Crack & Void Treatment should only be applied to a surface that has been treated with TechCrete 2500 Waterproofing Agent. If there are questions which product, or combination of products, to use contact 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 linear feet of cracks, on average. Can vary depending on substrate absorption, including the age of concrete and original density.

Application Method

1. On Day 1 - Apply TechCrete 2500 Waterproofing Agent 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 after 6 hours, begin first watering.

2. On Day 2 - 24 hours after application of TechCrete 2500 Waterproofing Agent and the first watering, apply TechCrete Crack & Void Treatment to all cracks that are less than 5/64" (2.0 mm). This must be done **before** the application of TechCrete Accelerating Agent.

3. On Day 3 - 24 hours later, water again.

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 Agent penetrates into the concrete. The addition of TechCrete Accelerating Agent and TechCreate Crack & Void Treatement reacts with the TechCrete Waterproofing Agent 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 acheived.

LIMITATIONS

TechCrete Crack & Void Treatment is not a sealing solution, it increases the effectiveness of the TechCrete 2500 Waterproofing System.

PACKAGING

TechCrete Crack & Void Treatment is supplied in the following sizes;

1 gallon bottles (3.8 liters)
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 **TechCrete Crack & Void Treatment** and are only available when the full system is applied by a ***TechCrete Certified Applicator***;

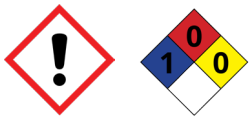
- New Construction: **TechCrete DIAMOND** ***30-Year Limited Liability Material & Labor Warranty.***
- New & Existing Construction: **TechCrete EMERALD** ***15-Year Limited Liability Material & Labor Warranty.***

The following warranties are available when using **TechCrete Crack & Void Treatment**;

- New & Existing Construction: **TechCrete** ***20-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 8590 Sanford Drive, Henrico, VA 23228 800-610-2895.

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.

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