



Chem-Crete®  
**YUFIX**®  
 CCC® 1000

**Water-based, Concrete and Masonry  
 Water Repellent and Sealer**

### PRODUCT DESCRIPTION

CHEM-CRETE® YUFIX® CCC® 1000 is a unique, water-based, proprietary formulation of chemicals that repel water and seal a variety of construction materials, providing waterproof surfaces.

The very low viscosity of YUFIX CCC 1000 allows it to penetrate deeply and become an integral part of the treated substrate. The product does not rely on an alkali reaction for it to catalyze within a treated substrate. It contains no silane, siloxane, silicone or sodium silicate ingredients. The product protects, preserves and waterproofs without any surface film formation or color change. Treatable substrates include concrete, cementitious mortars and plasters, limestone, marble, granite, brick, natural stone and pottery.

Treatment provides substrates protection from weathering, air and water-borne contaminants (dirt, acid rain, industrial pollutants), maintaining cleaner surfaces. It also reduces or eliminates efflorescence, mold, mildew, algae, bacteria and reduces or eliminates damage caused by freeze/thaw cycles (scaling, spalling, cracking, pop outs, etc.) and corrosion of reinforcing steel.

Treatable substrates include: Concrete, cementitious mortars and plasters, marble, granite, natural stone, industrial stone and clay.

Areas of application:

- Building exteriors
- Decks
- Barriers
- Walls
- Patios
- Kitchens and Baths



Picture: Image shows repelling effects of YUFIX CCC 1000

### FIELDS OF APPLICATION

- Brick and stone walls
- Concrete and CMU block walls
- Pool decks and patios
- Concrete, granite, marble and stone countertops
- Slate, limestone, travertine, and sandstone tiles
- Cementitious pavers and tiles
- Stucco and cementitious plaster finishes
- Unglazed pottery
- Abatement of fungus, mold, mildew, algae and bacteria

### PRODUCT FEATURES

- Single-component, ready-to-use and easy to apply
- Low viscosity and deep penetration
- No VOC, environmentally-safe, non-toxic and odorless
- Interior/exterior, above and on-grade applications
- Reduces water absorption in hardened concrete up to 62% (ASTM D6489)

Timeframe, hrs.	Baseline Sample	Yufix CCC 1000 Sample
Initial Weight, grams	1910.0	1900.9
24 hrs. Weight, grams	1918.5	1904.1
48 hrs. weight, grams	1919.2	1904.4
Absorption % @ 24 hrs.	0.44	0.16
Absorption % @ 48 hrs.	0.48	0.18

- Seals and protects cracks up to 1/16<sup>th</sup> inch (1.5 mm)
- Reduces or prevents fungus, mold, mildew, algae and bacteria growth on treated substrates
- Becomes an integral part of treated substrate
- Reduces freeze-thaw damage
- UV stable
- Keeps the treated surface looking clean and new
- Allows treated substrate to breathe
- Reduces or prevents efflorescence
- Can be applied to new or existing substrates

### PACKAGING

Product	Packaging
CHEM-CRETE YUFIX CCC 1000	1 GAL (3.785 LITER) JUG
	5 GAL (18.925 LITER) PAIL
	55 GAL (208 LITER) DRUM

### TECHNICAL DATA

PROPERTY	VALUE
Specific Gravity @ 77°F/25°C (ASTM, D1475)	1.06
Freeze Temperature	25°F (-4 °C)
For Cleaning	Water
Color	Clear
Odor	None
Flammability	None
Fumes During Treatment	None
Environmental Hazard	None
Thinners Required	None
Drying Time @ 77°F/25°C	2 - 3 hours

### Applicable Standards:

- ASTM D6489: Standard Test Method for Determining the Water Absorption of Hardened Concrete Treated With a Water Repellent Coating
- ASTM G23: Standard Practice for Operating Light-Exposure Apparatus (Carbon-Arc Type) With and Without Water for Exposure of Nonmetallic Materials
- ASTM C666: Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing

## APPLICATION DATA

**Methods of Application:** Spray, roll or brush.

**Apply using:**

- Low-pressure sprayer
- Paint brush or roller
- Bristle broom
- Squeegee

**Surface Preparation:** Surface must be clean, free of surface efflorescence, paint, sealer, oil, adhesive, curing compound, form release agent and/or anything that will impede YUFIX CCC 1000 penetration into the substrate.

Recommended cleaning methods include compressed air, pressure washing, scrubbing or other methods to remove surface dust, dirt or other contaminants.

Heavily contaminated areas must be cleaned using biodegradable cleaners (CHEM-CRETE CONCLEAN CCC060, recommended) and a pressure washer to remove deeply penetrating contaminants.

YUFIX CCC 1000 may be applied to damp surfaces free from standing water.

**Coverage:** One coat only. Rates are approximate and for estimating purposes only. Field testing should be performed on the actual substrate surface to determine appropriate coverage rate.

Substrate	ft <sup>2</sup> /gallon	m <sup>2</sup> /liter
Pre-cast and poured concrete	150 - 200	3.68 - 4.91
Colored concrete	200 - 220	4.91 - 5.40
CMU Block	120 - 175	2.95 - 4.30
Grey or White Brick	150 - 200	3.68 - 4.91
Colored Brick	200 - 300	4.91 - 7.36
Cementitious Plaster	150 - 200	3.68 - 4.91
Stucco	200 - 300	4.91 - 7.36
Granite	200 - 350	4.91 - 8.59
Limestone	150 - 220	3.68 - 5.40
Marble	200 - 220	4.91 - 5.40
Sandstone	250 - 350	6.14 - 8.59
Slate	150 - 200	3.68 - 4.91
Travertine	220 - 300	5.40 - 7.36
Pottery	200 - 300	4.91 - 7.36

Apply with an even, uniform spreading rate. If a white precipitate should form, after curing, due to overspray or over-application, wash treated surface with water. Scrubbing maybe required.

**Limitations:** Do not apply under the following conditions:

- Temperature below 40°F (5°C)

**Precautions:** During application, do not allow product to come in contact with metals or glass. If contact occurs, immediately wash contacted area with water. Do not apply more than one coat.

## CLEANING

Clean all equipment and tools with clean water immediately after use.

## STORAGE

Two-year shelf life when stored in its original, unopened container, in a cool, dry place. Always agitate the product before using. **DO NOT ALLOW PRODUCT TO FREEZE.** Repeated freezing and thawing may cause damage to the product.

## SAFETY PRECAUTIONS

As with all construction chemical products, adequate precautions and care must be taken during usage and storage. Avoid direct contact with foodstuff, eyes, skin and mouth. Contacted areas should be washed thoroughly with clean running water and soap. Always wear protective goggles and gloves. In case of eye contact, flush for fifteen minutes with warm water. If eye irritation persists, seek medical attention. In case of ingestion or swallowing, drink two glasses of clean water and seek medical attention. **KEEP OUT OF REACH OF CHILDREN.**

## TECHNICAL ASSISTANCE

Contact International Chem-Crete for Technical Personnel.

## WARRANTY

**LIMITED WARRANTY:** International Chem-Crete warrants that, at the time and place we make shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

**DISCLAIMER:** The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. International Chem-Crete cannot, under any circumstances, make any guarantee of results or assume any obligation or liability in connection with the use of this information.

As International Chem-Crete has no control over product usage, it is recommended that the product be tested to determine suitability for a specific application and/or that our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith. Any liability is limited to the replacement of material if proven faulty. AM020323-01.

**Manufactured By:**



International Chem-Crete Inc.  
800 Security Row, Suite 1, Richardson, TX 75081, U.S.A  
Tel: (972) 671-6477, Fax: (972) 238-0307  
contact-us@chem-crete.com • www.chem-crete.com

Chem-Crete Europe, s.r.o.  
Stanicna 13, 90851 Holic, Slovakia  
Tel: +421 34 668 3181 Fax: +421 34 668 3119  
www.chem-crete.sk • info@chem-crete.sk