



# YUFIX<sup>®</sup> 1000

## Water Based Concrete/Stone Sealer & Water Repellent

### PRODUCT DESCRIPTION

Chem-Crete Yufix CCC1000 is a deep penetrating formulation used as a water repellent and sealer for all masonry and synthetic masonry substrates. The product is non-toxic, non-flammable, odorless, and contains no VOCs. It is a unique clear single component catalyzed non-hazardous alternative to silane and siloxane water repellents. Chem-Crete Yufix CCC1000 chemical action results in a permanent seal of the concrete or masonry substrate pores and void walls to block the ordinary capillary action of water. Chem-Crete Yufix CCC1000 produces a highly effective, breathable sealer.

Chem-Crete Yufix CCC1000 penetrating concrete sealer and water repellent is a unique proprietary formulation of a clear aqueous solution derived from a group of active chemicals. Chem-Crete Yufix CCC1000 chemically reacts with CO<sup>2</sup> in the atmosphere to become an integral part of the concrete or masonry substrate. The product does not rely on an alkali reaction for it to catalyze within a concrete substrate. Chem-Crete Yufix CCC1000 contains no silane, siloxane, silicone or sodium silicate ingredients. Chem-Crete Yufix CCC1000 is colorless, non-staining, non-film forming and will not yellow. Chem-Crete Yufix CCC1000 forms a barrier within the masonry substrate, protecting from weathering and helps keep treated surfaces cleaner by resisting the entrance of air-borne dirt, acid rain, smog, industrial pollutants and most other atmospheric chemicals. Chem-Crete Yufix CCC1000 can be used in above grade and on grade applications to protect against moisture penetration helping to prevent corrosion of steel reinforcing within the concrete substrate. Chem-Crete Yufix CCC1000 eliminates efflorescence and reduces spalling from freeze/thaw cycles.



### FIELDS OF APPLICATION

Chem-Crete Yufix CCC1000 It is formulated to protect dense concrete and masonry surfaces in one application, without altering the color or textural appearance of the surface. CHEM-CRETE YUFIX CCC1000 seals and protects vertical cracks up to 1/16<sup>th</sup> inch (1.5mm).

Substrates including Heritage building and structures, pre-cast concrete, tilt-up concrete, monolithic concrete, stucco, clay brick, lime stone, granite, marble and other natural or manufactured stone.

### ADVANTAGES

- Water based ready-to-use.
- UV resistant, non-staining and non-yellowing.
- Keeps stone and masonry looking clean and new.
- Allows substrate to breathe.
- Stops efflorescence.
- Treated surfaces can be refinished.
- Can be used on wearing surfaces.
- Water clean up.
- For use in old or new concrete.
- Abrasion resistance prevents dusting.
- Fungus growth resistance.

### PACKAGING

Product	Packaging
CHEM-CRETE YUFIX CCC1000	1 GAL (3.785 LITER) JUG
	5 GAL (18.925 LITER) PAIL
	55 GAL (208 LITER) DRUM

### TECHNICAL DATA

Specific Gravity	1.06
Resistance to UV rays	Excellent
Water Permeability Resistance	Excellent
Accelerated Weathering ASTM G-23	No effect
V.O.C. Content	None
Moisture Vapor Permeability, ASTM E-96	Excellent
UV stability	Excellent
Toxicity	None
Odor	None
Fumes	None
Freeze thaw resistance -15°F/79°F (-26°C/26°C) 1 hr/50 cycles	Excellent

### Applicable Standards

- ASTM C-666: Freeze Thaw Testing.
- Exceeds the performance suggested by NCHRP report no. 244 by 75%.
- Reduces the average weight gain of chloride ion content by 82% when compared with uncoated samples.

### APPLICATION DATA

**Surface Preparation:** Surface must be clean, structurally sound and free of efflorescence, mortar residue and other contaminants that would prevent the penetration of Chem-Crete Yufix CCC1000. Repair surface defects, cracks and voids. Install caulking or joint sealant prior to application. Cure new masonry surfaces for a minimum of 7 days under normal weather conditions.

**Techniques:** Chem-Crete YufiX CCC1000 may be applied to a dry or slightly damp concrete using airless or low-pressure spray equipment, brush, roller or broom.

**Precautions:** When spraying Chem-Crete YufiX CCC1000 water repellent, care should be taken to prevent overspray on nearby articles. It can cure on glass, plastic, aluminum and most metals. If contact does occur, wash **immediately** with water.

- Do not apply to frozen or frost filled surfaces or when temperature is or expected to fall below 40°F (5°C).
- Do not use Chem-Crete YufiX CCC1000 to seal cracks or voids greater than 1/16<sup>th</sup> of an inch (1.5 mm).
- Keep container closed when not in use.
- Do Not Allow the Product to Freeze

**Coverage:** The following coverage rates are approximate and for estimating purposes only. International Chem-Crete is not accountable for any excess material used based on above estimated product coverage rates. For exact product consumption field testing should be performed on actual substrate surface to determine coverage rates and effectiveness of the product.

Substrate	ft <sup>2</sup> /gallon	m <sup>2</sup> /liter
White or buff color concrete	150 - 200	3.68 - 4.91
Lime stone	200 - 220	4.91- 5.4
Granite	200 - 220	4.91- 5.4
Marble	200 - 220	4.91- 5.4
Slump block	120 -170	3.00 - 4.3
Pre-cast and poured concrete	150 - 200	3.68 - 4.91
Brick	150 - 200	3.68 - 4.91
Stucco	100 - 120	2.45 - 2.94
Plaster	150 - 200	3.68 - 4.91
Stone-tiles	200 - 250	4.91-6.14

**Application:** Agitate the pail before using. Apply onto the substrate surface at above given coverage data with an even, uniform spreading rate.

If a white precipitate should form because of over application after curing of Chem-Crete YufiX CCC1000 and washing with water does not remove it, it maybe necessary to scrub the surface with a brush.

## CLEANING

Use water to clean application equipment and tools, immediately following use.

## STORAGE

Two-year shelf life when stored in cool, dry place in unopened drums. Agitate or stir the bucket or drum before using.

Do not store Chem-Crete YufiX CCC1000 below 40°F (5°C).

## 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.

**Always wear protective goggles and gloves. In case of eye contact, flush for 15 minutes with warm water. Keep out of reach of children.**

## TECHNICAL ASSISTANCE

Please contact International Chem-Crete Corporation for Technical Personnel.

## WARRANTY

**LIMITED WARRANTY:** International Chem-Crete Inc. 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 Inc. is not under any circumstances liable to connection with the use of information. As International Chem-Crete Inc. has no control over the use to which others may put its products, it is recommended that the products be tested to determine the suitability for specific applications and/or our information is valid in particular circumstances. Responsibility remains with the architect or engineer, contractor and owner of the design, application, and proper installation of each product. Specifier and user shall determine the suitability of the product for specific application and assume all responsibility in connection therewith. AM180319.

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