



CHEM-CRETE YufiX CCC1000[®]

“Non-Toxic Water-Based Repellent and Concrete Sealer”

MANUFACTURER

International Chem-Crete Corporation
800 Security Row
Richardson, TX 75081
(972) 671-6477
Fax (972) 238-0307
Visit our website at:
www.chem-crete.com

PRODUCT DESCRIPTION

Chem-Crete YufiX CCC1000[®] is non-toxic, non-flammable, odorless, and contains no VOCs. Chem-Crete YufiX CCC1000 is a unique clear catalyzed non-hazardous alternative to Silane and Siloxane water repellents. Chem-Crete YufiX CCC1000 is an economical water-based concrete, masonry deep penetrating liquid formulation used as a water repellent and sealer for all masonry substrates. Chem-Crete YufiX CCC1000 chemically reacts with ultraviolet and CO₂ in the atmosphere to become an integral part of the concrete or masonry substrate. The Chem-Crete YufiX CCC1000 chemical action results in a permanent seal of the concrete or masonry substrate pore 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 forms a barrier within the substrate, further protecting from weathering and helps keep treated surfaces cleaner by resisting the entrance of airborne dirt, acid rain, smog, industrial pollutants and most other atmospheric chemicals. Chem-Crete YufiX CCC1000 eliminates efflorescence, and spalling from freeze/thaw cycles.

Chem-Crete YufiX CCC1000 penetrating concrete sealer and water repellent is a proprietary formulation of clear solution derived from a group of active chemicals. It is furnished in complete solution and only requires agitation. The active ingredients form a breathable moisture barrier within the treated substrate during and following the drying-curing period. Chem-Crete YufiX CCC1000 is colorless, non-staining, non-film forming and will not yellow. It is formulated to protect dense concrete and masonry surfaces in one application, without altering the color, texture or appearance of the masonry surface. Chem-Crete YufiX CCC1000 is used above grade to protect against moisture penetration.

USES

- Pre-cast concrete
- Tilt up concrete
- Concrete slabs
- Stucco
- Clay
- Brick
- Limestone and other natural or manufactured stone

FEATURES

Water based
Ready to use
Non-toxic
No VOCs
Keeps stone and masonry looking clean and new
Use on old or new concrete
Non-staining, non-yellowing UV resistant

Stops the “wet look”
Stops efflorescence
Allows substrate to breathe
Prevents dusting
Can be used on wearing surfaces
Abrasion resistance
Resistant to mold growth
Water clean-up

APPLICATION

Methods of Application: Airless spray equipment, low pressure sprayer, brush or roller.

Tools Needed: Spray equipment (forced air and low pressure) brush or roller.

Surface Preparation: Surface must be clean, free of paint, sealers, oils, curing compounds, form release and/or anything that will not allow Chem-Crete YufiX CCC1000 to penetrate the substrate. Repair surface defects, cracks, voids and install caulking or joint sealants prior to application of Chem-Crete YufiX CCC1000. New masonry surfaces and mortars must be cured 14 to 28 days under normal weather conditions.

PRECAUTIONS: When spraying Chem-Crete YufiX CCC1000 water repellent, care should be taken to protect nearby vegetation from overspray. Chem-Crete YufiX CCC1000 will not etch glass or harm plastic, aluminum and most metals. If contact does occur, wash immediately with water. If a white precipitate should form because of over-application of the water repellent and washing with water does not remove it, it may be necessary to scrub the surface with a brush.

Use water to clean application equipment. **Always wear protective goggles and gloves. In case of eye contact, flush for 15 minutes with warm water. FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. READ MATERIAL SAFETY DATA SHEETS.**

Surface	Coverage sq. ft./gal.
White or Buff Concrete	150-200
Color Concrete	150-200
Limestone	200-220
Concrete Block	125-175
Precast and Poured Concrete	150-200
Fired Brick (non-glazed)	150-200
Stucco	100-120
Plaster	150-200
Stone Tile	200-250
Bridge Structures	150-200
Surfaces exposed to abrasion	125-175

The porosity of similar substrates varies significantly. International Chem-Crete is not accountable for any excess material used based on the above estimated product coverage rates. For exact product consumption, field testing should be performed.

Shelf Life: One year. Agitate pail or drum before using.

TECHNICAL DATA

Specific Gravity	1.07
Weight/Gallon	8.94 lbs.
Chemical Solids	13.1%
Boiling Point	214°F. (105°C)
Freezing Point	25°F. (-4°C)
UV Resistance	Excellent
Solvent	N/A
Flash Point	N/A
VOC Content	None
Color	Clear
Odor	None
Toxicity	None
Fumes	None
Environmental Hazards	None
Thinners	Not Required
Drying Time	1 to 2 hours @70°F. (21.1°C)

Chem-Crete YufiX CCC1000 is manufactured by:

INTERNATIONAL CHEM-CRETE CORPORATION

800 Security Row

Richardson, TX 75081

(972) 671-6477 • Fax (972) 238-0307

Visit our website: www.chem-crete.com

STANDARDS

- Meets Freeze/Thaw Testing
ASTM C-666
- Applied at a rate of 200 sq. ft./gal. penetrates into standard 3,500 psi concrete to an average depth of 1/4 inch (6.35 mm)
- Reduces the average weight gain of chloride ion content by 82% when compared to the uncoated control sample
- Exceeds by 75% the performance suggested by NCHRP Report No. 244

LIMITATIONS

Do not apply Chem-Crete YufiX CCC1000 in the following cases:

- Do not allow product to freeze
- Do not apply to frozen or frost-filled surfaces
- When the temperature falls below 40°F. (4.3°C)
- Do not use to seal cracks or voids.

PACKAGING

Chem-Crete YufiX CCC1000 is packaged in 1 gallon, 5 gallon, and 55 gallon DOT approved containers. Keep container closed when not in use.

TECHNICAL SERVICES

Please contact International Chem-Crete Corporation for technical personnel.

WARRANTY

LIMITED WARRANTY: “International Chem-Crete Corporation warrants that, at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of the acceptance of the order.” Read complete Warranty, copy furnished upon request.

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 Corporation cannot, however, under any circumstances make any obligation or liability in connection with the use of this information. As International Chem-Crete Corporation has no control over the use to which others may put its products, it is recommended that the products be tested to determine if suitable for a specific application and/or 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 suitability of products for specific application and assume all responsibilities in connection therewith.