



CHEM-CRETE YUFIX[®] CCC1000

Water Based Concrete/Stone Sealer & Water Repellent

PRODUCT DESCRIPTION

Chem-Crete YUFIX CCC1000 is a product which 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 on vertical application. **Chem-Crete YUFIX CCC1000** chemically reacts with CO² in the atmosphere to become an integral part of the concrete or masonry substrate. **Chem-Crete YUFIX CCC1000** contains no silane/siloxane or sodium silicate ingredients. **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** forms a barrier within the substrate, further 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** 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. **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.



PRODUCT FEATURES

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.

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.

PACKAGING

Product	Packaging
Chem-Crete YUFIX CCC1000	5 gal pail or 55 gal drum 19 L pail or 208 L 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.

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.

APPLICATION DATA

Surface Preparation: Surface must be dry, clean, structurally sound and free of efflorescence, mortar residue and other contaminants that would prevent the penetration of **Chem-Crete CCC1000**. Repair surface defects, cracks and voids. Install caulking or joint sealant prior to application. Cure new masonry surfaces for a minimum of 28 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 protect nearby vegetation or articles from overspray. It can damage vegetation and will stain 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.
- 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 ² /gal	m ² /lt.
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	3-4.3
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

Manufactured By:



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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).
- Do not allow **Chem-Crete YUFIX CCC1000** to freeze.

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 a 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. MN/022006.

Distributed Throughout UK by:



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