

KreteGuard 301 (Formerly Krete HQ(S) Plus)

KreteGuard 301 is an aqueous, multi-functional, swipe producing admixture designed to offer plasticizing action, primary and secondary efflorescence control, and integral water repellency in zero-slump concrete products.

FEATURES

- Multi-Functional
- Plasticizing Action
- Efflorescence Control at Lower Dosage
- Water Repellency at Higher Dosage

BENEFITS

- Improves Batch Consistency
- Decreases Machine Feed Time
- Improves Green Strength
- Improves Finish Texture
- Improves Aesthetic Appearance of CMUs
- Promotes and Maintains Brighter Colors
- Produces Swipe

TECHNICAL INFORMATION

<u>Parameter</u>	<u>Typical Value</u>
Appearance	Opaque Yellow Liquid
Specific Gravity	1.015
Lbs./Gal	8.46
pH	9.92
IR	Pass

DIRECTIONS FOR USE

1. For Efflorescence Control: Use at dosage rate of 6 - 12 fluid ounces per 100 lbs. of cementitious material.
For Water Repellency:
Lightweight CMU: Use at dosage rate of 25 - 40 fluid ounces per 100 lbs. of cementitious material.
Medium and Normal Weight CMU: Use at dosage rate of 25 - 30 fluid ounces per 100 lbs. of cementitious material.
2. Add after the main portion of batch water.
3. Mix for minimum of 60 seconds after addition of admixture.

PRODUCT PACKAGING

Available in 330 US gallon totes, 55 US gallon drums, and 5 US gallon pails. Samples are available by request.

PRODUCT STORAGE AND SHELF LIFE

Store in dry area. Keep containers tightly closed. Do not store in excessively high temperatures (>100 F°). KEEP FROM FREEZING. Avoid physical damage to containers. KreteGuard 301 has a rheological shelf life of eight (8) months in original, unopened packaging.

DESIGN AND CONSTRUCTION

Design and construction details and recommendations, included in NCMA TEK 19-01: *Water Repellents for Concrete Masonry Walls*; TEK 19-2B: *Design for Dry-Single-Wythe Concrete Masonry Walls*; TEK 19-5A: *Flashing Details for Concrete Masonry Wall*, and TEK 19-07: *Characteristics of Concrete Masonry Units with Integral Water Repellents*, must be observed and incorporated.

NOTE: KreteGuard 301 must be used as a component of the CMU and Krete Gard Mortar Mix as a component of the mortar when a fully water repellent wall system is desired. KreteGuard 301 and Krete Gard Mortar Mix are part of the "system" that provides moisture protection of concrete masonry walls. Proper masonry design and construction such as proper drainage within the core and cavity, properly installed through-wall flashing and weeps, and properly tooled joints are also critical requirements.

The information presented above is true and accurate to the best of our knowledge. No warranty or guarantee, expressed or implied is made regarding the performance of the product. This information is not intended to be all-inclusive concerning handling, storage and use of the product. Health and other regulatory factors are the responsibility of the customer.

For Industrial Use Only.
Not for internal consumption.
Consult SDS for safety and regulatory information.

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PRODUCT TESTING

Masonry units containing KreteGuard 301 have been successfully tested according to the following specifications:

- ASTM E514 - Standard Test Method for Water Penetration and Leakage Through Masonry
- ASTM C90 - Standard Specifications for Load Bearing Concrete Masonry Units
- ASTM C55 - Standard Specifications for Concrete Brick
- ASTM C140 - Standard Test Method for Sampling and Testing Concrete Masonry Units and Related Units
- ACI 530.1/ASCE 6 TMS 602 2008 - Specification for Masonry Structures

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