



EUCLID CHEMICAL

EUCON BLOCKTITE

INTEGRAL WATER REPELLENT FOR CONCRETE MASONRY

DESCRIPTION

EUCON BLOCKTITE is a ready-to-use liquid admixture formulated to resist moisture penetration and migration in concrete masonry products. This unique polymer formula is added directly to the concrete mixture which forms a protective barrier throughout the masonry unit. **EUCON BLOCKTITE** also inhibits the transport of soluble salts that cause secondary efflorescence. **EUCON BLOCKTITE** contains no added chlorides and will not promote corrosion in steel.

PRIMARY APPLICATIONS

- Concrete block and brick
- Segmental retaining wall (SRW) units
- Concrete Pavers
- Roof tile

FEATURES/BENEFITS

- Provides long lasting, maintenance free moisture protection
- Reduces the migration of salts that can cause efflorescence
- Can be used above or below grade, exterior or back-up walls
- Resists staining, inhibits growth of mold and mildew

TECHNICAL INFORMATION

EUCON BLOCKTITE has been independently tested in accordance with ASTM E 514-90, Standard Test Method for Water Penetration and Leakage Through Masonry (extended to 72 hours) with 0% dampness on interior walls. **EUCON BLOCKTITE** received an E-rating (Excellent). Test reports are available at request.

Appearance.....White, free flowing liquid that will not change the color of treated masonry units.

Specific Gravity.....1.02

Freezing point.....20°F (-7°C)

PACKAGING

EUCON BLOCKTITE is packaged in bulk, 275 gal (1041 L) totes, 55 gal (208 L) drums and 5 gal (18.9 L) pails.

SHELF LIFE

6 months in original, unopened container.

SPECIFICATIONS/COMPLIANCES

Design and construction details must observe applicable design codes and include the recommendations of NCMA TEK 10-1A: Crack Control in Concrete Masonry Walls; TEK 19-1: Water Repellents for Concrete Masonry Walls; TEK 19-2A: Design for Dry Single-Wythe Concrete Masonry Walls; TEK 19-4A: Flashing Strategies for Concrete Masonry Walls; TEK 19-5A: Flashing Details for Concrete Masonry Walls

Specified water-repellent projects must include **BLOCKTITE MORTAR ADMIXTURE** in the associated masonry mortar per data sheet and label instructions. Failure to do so will compromise the performance of the **BLOCKTITE SYSTEM** and is in violation of its guide specification. The use of **EUCON BLOCKTITE/BLOCKTITE MORTAR ADMIXTURE** will not compensate for flaws in building design, inadequate production procedures, or improper construction practices.

Only concave or "V" tooled joints should be allowed for water repellent masonry construction incorporating the **EUCON BLOCKTITE SYSTEM**. These recommendations are supported by both the National Concrete Masonry Association and the Brick Institute of America. Remove excess mortar promptly and clean residue using procedures outlined in NCMA TEK 8-2: Removal of Stains from Concrete Masonry

DIRECTIONS FOR USE

WATER REPELLENCY

Dosage: Add EUCON BLOCKTITE to the concrete mixture after all of the water has been introduced. Mix for a minimum of 3 minutes. Testing must be performed to verify performance with local materials. The following are recommended starting point dosage rates.

Medium and Normal Weight Block

Dosage: Add EUCON BLOCKTITE to the mix at the rate of 24 oz /100 lbs (1565 mL/100 kg) of cement.

Lightweight Block

Dosage: Add EUCON BLOCKTITE to mix at the rate of 32 oz/100 lbs (2086 mL/100 kg) of cement.

IMPORTANT: Extensive laboratory testing is used to determine and certify the optimal dosage rate of EUCON BLOCKTITE admixture. For test methods used to evaluate production samples, please refer to NCMA TEK 19-7, "Characteristics of Concrete Masonry Units with Integral Water Repellent."

SECONDARY EFFLORESCENCE CONTROL

Dosage: Add EUCON BLOCKTITE at the rate of 8 to 20 oz./ 100 lbs (520 to 1300 ml/100 kg) of cement.

NOTE: EUCON BLOCKTITE is part of an overall moisture protection system that includes the use of BLOCKTITE MORTAR ADMIXTURE to prevent moisture from migrating through the mortar joints. For added protection, The Euclid Chemical Company recommends an exterior application of Chemstop WB Heavy Duty penetrating sealer. Consult your Euclid Chemical representative for additional information on this product.

Compatibiltiy with other coatings

Masonry units treated with EUCON BLOCKTITE have been tested for coating compatibility with TAMOSEAL, SUPER WALL-PRO, and Chemstop WB Heavy Duty. The Euclid Chemical Company has not tested other manufacturers products and compatibility testing is strongly recommended.

CLEAN UP

Clean tools and equipment promptly with water before the mortar hardens.

PRECAUTIONS/LIMITATIONS

- **DO NOT ALLOW TO FREEZE.** Once frozen, EUCON BLOCKTITE should not be used.
- If agitation is required, never use pressurized air.
- EUCON BLOCKTITE was formulated to provide water repellency in concrete masonry units. BLOCKTITE MORTAR ADMIXTURE is strongly recommended to provide water repellency in the associated masonry mortar. Failure to do so will result in compromised protection of the masonry structure and is in violation of the BLOCKTITE Water Repellent Admixture System Guide Specification, .
- For added protection, use an exterior application of Chemstop WB Heavy Duty silane/siloxane penetrating sealer.
- EUCON BLOCKTITE performs optimally when quality materials and proper mix designs and are used - Consult your local Euclid Chemical representative for technical assistance.
- EUCON BLOCKTITE will not compensate for flaws in building design, improper production procedures, or improper construction methods. The Euclid Chemical Company is not responsible for inappropriate use of EUCON BLOCKTITE.
- For bulk customers, re-circulation of EUCON BLOCKTITE may be necessary. Your local Euclid Chemical Company representative will assist you in this process.
- In all cases, consult the Safety Data Sheet before use.

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WARRANTY: The Euclid Chemical Company ("Euclid") solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Euclid, no other representations or statements made by Euclid or its representatives, in writing or orally, shall alter this warranty. EUCLID MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. If any Euclid product fails to conform with this warranty, Euclid will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made within one (1) year from the date of the claimed breach. Euclid does not authorize anyone on its behalf to make any written or oral statements which in any way alter Euclid's installation information or instructions in its product literature or on its packaging labels. Any installation of Euclid products which fails to conform with such installation information or instructions shall void this warranty. Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. Buyer shall be solely responsible for determining the suitability of Euclid's products for the Buyer's intended purposes.