



# EUCON™ BLOCKTITE

## INTEGRAL WATER REPELLENT FOR CONCRETE MASONRY

**EUCLID CHEMICAL**

### PRODUCT INFORMATION

#### PACKAGING

EUCON BLOCKTITE is available 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

E-Rated in accordance with ASTM E514-90, Standard Test Method for Water Penetration and Leakage Through Masonry with 0% dampness on interior walls

#### TECHNICAL INFORMATION

Appearance: White Liquid  
Specific Gravity ~ 1.02  
Freezing Point ~ 20°F (-7°C)

### DESCRIPTION

EUCON BLOCKTITE is a ready to use liquid admixture formulated to resist water penetration, and migration in concrete masonry and other cementitious products. This polymeric formula is added to the concrete during mixing and forms a protective barrier throughout upon curing. EUCON BLOCKTITE limits the transport of soluble salts that cause secondary efflorescence.

### PRODUCT CHARACTERISTICS

#### FEATURES & BENEFITS

- Provides long lasting protection from wind-driven rain
- Reduces the migration of salts that can cause efflorescence
- Reduces capillary wicking, resists common staining

#### PRIMARY APPLICATIONS

- Concrete block and brick
- Segmental retaining wall units
- Concrete pavers
- Stone veneer, precast
- Cast stone

### PRECAUTIONS/LIMITATIONS

- **DO NOT ALLOW TO FREEZE, this product is not useable after it freezes.**
- Performs optimally with quality materials and proper mix designs
- 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.
- BLOCKTITE SYSTEM SPECIFICATIONS can be found in ARCOM MasterSpec Section 042200
- For bulk storage, re-circulation of EUCON BLOCKTITE may be necessary - your local Euclid Chemical representative will assist you in this process.
- In all cases, consult the Safety Data Sheet before use.

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## DIRECTIONS FOR USE

### DOSAGE RATE

Add EUCON BLOCKTITE to the concrete mixture after all of the water has been introduced, then mix adequately (45 seconds to 2 minutes - depending on mixer) to achieve proper dispersion.

### WATER REPELLENCY

Normal/Medium Weight Block: 18 - 24 oz/100 lbs (1175 - 1565 mL/100 kg) of cement

Lightweight Block: 28 - 32 oz/100 lbs (1828 - 2086 mL/100 kg) of cement

**IMPORTANT:** The optimal dosage of EUCON BLOCKTITE is determined as part of the Euclid Chemical BLOCKTITE CERTIFICATION PROGRAM. For test methods used to evaluate such performance, please refer to NCMA TEK19-7, "Characteristics of Concrete Masonry Units with Integral Water Repellent."

### EFFLORESCENCE CONTROL

8 - 16 oz/100 lbs (520 - 1044 mL/100 kg) of cement.

NOTE: EUCON BLOCKTITE is a component/option of the BLOCKTITE SYSTEM (of block and mortar admixtures) for water repellency. Specified water-repellent projects must include BLOCKTITE MORTAR ADMIXTURE in the associated masonry mortar per data sheet and label instructions. Failure to do so violates the guide specification and will compromise the performance of the BLOCKTITE SYSTEM.

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

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 (NCMA) and the Brick Institute of America (BIA).

For added protection, Euclid Chemical recommends an exterior application of CHEMSTOP WB HEAVY DUTY penetrating sealer. Consult your Euclid Chemical representative for information on this product.

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