HYDRAPEL MORTAR ADMIXTURE
INTEGRAL WATER REPELLENT ADMIXTURE FOR MORTAR

DESCRIPTION

HYDRAPEL MORTAR ADMIXTURE is a complex dry powder additive formulated to prevent moisture intrusion in masonry structures, and is an essential component of the HYDRAPEL Water Repellent Admixture System. HYDRAPEL MORTAR ADMIXTURE significantly reduces water absorption and efflorescence potential, and will help preserve color and overall mortar integrity as a result. HYDRAPEL MORTAR ADMIXTURE provides added bond strength without affecting plastic properties or normal construction rates.

PRIMARY APPLICATIONS

• Masonry Mortar
• Stucco
• Masonry Grout Fill

FEATURES/BENEFITS

• Superior water repellency
• Excellent bond strength
• Reduced efflorescence potential

• Complies with ASTM C1384 for Water Repellent and Bond Enhancing Mortar Admixtures

TECHNICAL INFORMATION

Physical Properties
Specific Gravity ......................... 2.01
Freeze Point ..........................N/A
Appearance: Gray powder that does not alter color

Test methods used to evaluate HYDRAPEL MORTAR ADMIXTURE:
ASTM C1403, C1437, C1072, C780, C1314 and E514

PACKAGING

HYDRAPEL MORTAR ADMIXTURE is available in cartons of 12 zip-tear pouches weighing 2 lb (0.9 kg), and in 25 lb (11.4 kg) bags for dry blending applications.

SHELF LIFE

2 years in original, unopened packaging; product beyond this age may be suitable for use if no clumping or other damage is apparent. Please consult your local Euclid Chemical representative if shelf-life or material suitability for use is in question.

DOSEAGE RATES

For Jobsite-Proportioned Masonry Mortar
Add 1 Pouch per 1 Bag (1ft³ or 0.03m³) of Portland Cement
Add 1 Pouch per 2 Bags (2ft³ or 0.06m³) of Masonry Cement

For Pre-Blended Masonry Mortar
Add 1 Pouch per 6 Bags or 6ft³ (0.17m³) of Masonry Mortar
For non-standard batch sizes - add 5oz or 1/3lb (150g) per bag/each ft³ (0.03m³) of mortar

For Reduced Absorption, Efflorescence Control & General Use
Use approximately 1lb (1/2 Pouch) per 100lb (45kg) of portland cement
**Directions for Use**

**HYDRAPEL MORTAR ADMIXTURE** should be added to approximately 75% of the mix water before sand or cement are added. Simply open zip-tear pouch and pour contents into the mixer while idle. Batch as normal and add sufficient water to achieve desired consistency and mix for 5 minutes total.

**Specifications/Compliances**

HYDRAPEL MORTAR ADMIXTURE has been tested with EUCON HYDRAPEL and EUCON BLOCKTITE treated CMUs in accordance with ASTM E 514 (Standard Test Method for Water Penetration and Leakage Through Masonry), and achieved E-Rated (Excellent) performance after 72 hours.

HYDRAPEL MORTAR ADMIXTURE complies with ASTM C 1384 (Standard Specification of Admixtures for Masonry Mortar) as both water repellent and bond enhancing.

The HYDRAPEL SYSTEM has been tested per California Code of Regulations state chapter 2405(c) 3.C. for grout bond shear strength and showed increased CMU/grout bond strength when compared to untreated reference test specimens.

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 HYDRAPEL MORTAR ADMIXTURE in the associated masonry mortar per data sheet and label instructions. Failure to do so will compromise the performance of HYDRAPEL SYSTEM and is in violation of its guide specification. The use of this product 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 HYDRAPEL 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

**Precautions/Limitations**

HYDRAPEL MORTAR ADMIXTURE can effectively impart water repellency when adhering to proper industry (ASTM C 270) practices, and when concave or "V" joint tooling is employed (as recommended by NCMA and BIA).

HYDRAPEL MORTAR ADMIXTURE 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 HYDRAPEL MORTAR ADMIXTURE.

**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.