

EUCON HYDRAPEL

INTEGRAL WATER-REPELLENT AND EFFLORESCENCE CONTROL MASONRY ADMIXTURE



MASONRY/DRYCAST PRODUCTS

DESCRIPTION

EUCON HYDRAPEL is a multi-purpose masonry admixture used in the manufacture of masonry applications. This material is based on a unique formula that outperforms conventional chemistries currently being used in the industry to address efflorescence and water repellency. EUCON HYDRAPEL utilizes a broad dosage range enabling greater flexibility and increased production rates. Masonry units also gain an aesthetically pleasing advantage over non-treated units.

PRIMARY APPLICATIONS

- Architectural block
- Segmental retaining wall units
- Single-wythe masonry construction
- Pavers
- Concrete roof tiles
- Concrete brick

FEATURES/BENEFITS

- Superior water repellency
- Primary and secondary efflorescence control
- Innovative formulation
- Increased compressive and flexural strength
- Increased production rates

TECHNICAL INFORMATION

Testing Information

EUCON HYDRAPEL has been independently tested in accordance with ASTM E 514, "Standard Test Method for Water Penetration and Leakage Through Masonry" (extended to 72 hours).

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

Specific Gravity.....0.96

Freezing point.....32°F (0°C)

PACKAGING

EUCON HYDRAPEL is packaged in 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

- EUCON HYDRAPEL meets the requirements of ASTM E 514, "Standard Test Method for Water Penetration and Leakage Through Masonry"

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Master Format #: 03 4000 04 2200



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An **RPM** Company



DIRECTIONS FOR USE

Dosage Rate: Typical dosage rate for EUCON HYDRAPEL is 2 to 6 oz per 100 lbs (130 to 391 mL per 100 kg) of cementitious material.

Water repellency: For water repellency, EUCON HYDRAPEL is typically used at the rate of 2 to 6 oz per 100 lbs (130 to 391 mL per 100 kg) of cementitious material.

Efflorescence Control: EUCON HYDRAPEL typically achieves efflorescence control when used at a dosage rate of 3 to 5 oz per 100 lbs (195 to 325 mL per 100kg) of cementitious material.

Important: Only testing will verify the correct dosage of EUCON HYDRAPEL to use for water repellency. For test methods to evaluate individual units, please refer to NCMA TEK 19-7, "Characteristics of Concrete Masonry Units with Integral Water Repellent."

EUCON HYDRAPEL should be added after initial wetting of aggregates and cement, and after a minimum of 75% of the total mix water has been added. Allow for a minimum of 90 seconds of additional mixing after EUCON HYDRAPEL has been introduced to the batch.

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

PRECAUTIONS/LIMITATIONS

- EUCON HYDRAPEL must be stored at a material temperature of not less than 40°F (4°C) and not higher than 105°F (40 °C). EUCON HYDRAPEL must be protected from hot and freezing temperatures.
- EUCON HYDRAPEL is not usable after it freezes.
- Never agitate with air.
- Test batches are recommended due to variations in local cement and aggregates.
- EUCON HYDRAPEL was designed to provide water repellency in concrete masonry units. *BLOCKTITE MORTAR ADMIXTURE is strongly recommended to provide water repellency in the mortar used in masonry structures. Failing to do so will result in compromised water repellency performance of the masonry structure.*
- For added moisture protection, use Chemstop WB Heavy Duty penetrating silane/siloxane penetrating sealer on the exterior surface of masonry structures.
- EUCON HYDRAPEL can only be effective when proper mixture designs and quality materials are used. Consult your local Euclid Chemical representative for technical assistance.
- Using lower dosages to achieve efflorescence control will not provide the highest level of water repellency.

- In all cases, consult the Material Safety Data Sheet before use.

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