



EUCLID CHEMICAL

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The HYDRAPEL SYSTEM for Specified Water Repellency – CMU Admixture Options

Building designers have long recognized the design appeal, flexibility, and economics of architectural concrete masonry units (CMU). The limitless choice of colors, textures, sizes, and combinations thereof provide structures of lasting beauty and distinction for their client owners. Behind the scenes, block producers are challenged to meet these demands on a timely & consistent basis using a wide range of materials, blends, and machining processes.

Euclid Chemical offers two distinctly different admixture products for use in the manufacture of (integrally) water-repellent CMUs. EUCON HYDRAPEL admixtures represent a relatively new class of silicone-based admixtures, while EUCON BLOCKTITE represents the traditional option. HYDRAPEL series integral water repellents add key manufacturing benefits and unmatched levels of water repellency under challenging conditions. Both of these polymeric admixture types provide lasting resistance to rainwater intrusion and moisture migration, and may be used interchangeably per the HYDRAPEL SYSTEM Guide Specification. The combination of HYDRAPEL *or* BLOCKTITE -treated CMU/HYDRAPEL Mortar Admixture-treated masonry mortar meets or exceeds “Class E” ratings per ASTM E-514 (“Excellent” through 72 hours testing).

With the HYDRAPEL SYSTEM from Euclid Chemical, you can rest assured that the admixture type, dosage rate, and material proportions have been optimized and confirmed per test methods detailed in National Concrete Masonry Association TEK 19-7, “Characteristics of Concrete Masonry Units with Integral Water Repellent”. This is the major component of the HYDRAPEL Certification Program which maintains performance data by location and mix design classification.