

ADMIXTURES

FOR MANUFACTURED
CONCRETE PRODUCTS



PLASTICIZERS

EFFLORESCENCE CONTROL ADMIXTURES

INTEGRAL WATER REPELLENT ADMIXTURES

CONCRETE AND MORTAR ACCELERATORS



EUCLID CHEMICAL



ADMIXTURES

FOR MANUFACTURED CONCRETE PRODUCTS (MCP)



PROCESS-ENGINEERED SOLUTIONS TO MEET YOUR DAILY NEEDS

Manufactured concrete products serve a wide variety of structural and architectural applications, and play an important role in the construction industry supply chain. While design efficiency, economy and dependability ensure their popularity, it is up to the individual manufacturer to meet these expectations on a consistent basis.

The Euclid Chemical Company has been providing economic solutions to concrete production challenges for over 100 years. Our industry experience, and field attention to detail assures that our products are developed with you, the producer in mind. We market these unique admixtures under the Eucon brand name. Within our MCP admixture line you'll find a series of custom plasticizers, set modifiers, efflorescence-control agents, and integral water repellents to meet your every need.

At Euclid Chemical we understand the variables critical to your success and have the products and expertise to meet that goal.

FREEZE-THAW DURABILITY

Because materials, conditions, and requirements can widely differ from one manufacturer to the next, the ideal Eucon admixture product, or admixture system is determined on an individual basis. Where heightened segmental retaining wall unit durability specifications exist, Euclid Chemical will help to develop a mix design to meet these high-performance standards.

WATER-REPELLENT CERTIFICATION PROGRAM

Euclid Chemical performs both ASTM and other NCMA-developed test methods to evaluate CMU water repellency. Plant produced units are submitted to our Cleveland, Ohio Technical Center where they are thoroughly inspected by industry certified technicians. Full test reports and certificate of compliance are issued by production plant and CMU weight classification. Re-certification is done on an annual basis, or whenever major mix design changes have been implemented.





PLASTICIZERS

Eucon plasticizers come in a range of chemistries to perform optimally with your materials and production process. These admixtures improve bottom-line performance by increasing cement efficiency, production rate, and curing effort. Exotic mix designs? Restricted mold configurations? Rough handling systems? Challenge us to design a solution for you.

EUCON BK-S

Proprietary surfactant blend that improves cement wetting, aids compaction, and provides an attractive swipe texture or "surface web" on machined concrete surfaces. Eucon BK-S improves green strength (dimensional stability) of fines-deficient mix designs, adds product edge and corner definition, and can significantly reduce wear of molds, and other product forming parts.

EUCON BK-S8

Similar to Eucon BK-S but intended for cement rich and/or fines-abundant mixes that are very responsive to plasticizer addition; Eucon BK-S8 can also be used as a texturizer in a two-part system and performs extremely well with all Eucon admixture products.

EUCON DC

Polyacrylate based plasticizer with powerful fines dispersing capability. This formulation maximizes cement efficiency, color consistency, and color vibrancy. Eucon DC imparts little to no change in product surface texture and can be used to add density without sacrificing production rate. Eucon DC is particularly effective in concrete pipe production when used with Eucon BK-S8.

EUCON DC-X

Blend of traditional cement dispersants, wetting surfactants, and non-chloride set accelerants; Eucon DC-X is uniquely formulated to assist with hollow-core plank, concrete pipe, and other miscellaneous dry-cast concrete production.

EFFLORESCENCE CONTROL ADMIXTURES

PAVERTITE

Specially formulated, multi-benefit admixture developed for paver, SRW and roof tile production. Pavertite adds density, improves early and ultimate strength, and reduces the potential for secondary efflorescence. It is economical, user-friendly, and has a proven record of success in dry-cast production.

HYDRAPEL

New generation, high-efficiency formula with superior water repellency and secondary efflorescence control; Eucon Hydrapel effectively reduces gumminess to improve mix flow ability, thereby increasing mix water tolerance. It can be used alone, or in combination with other Eucon plasticizing, efflorescence controlling, or set accelerating admixtures to achieve customized performance.

EUCON BK-E

Primary efflorescence control admixture that inhibits the movement of calcium hydroxide and other salts to concrete surfaces. Eucon BK-E effectively minimizes surface concentrations of these nuisance elements. It can be used alone, or in combination with other Eucon efflorescence controlling/water repellent, and/or plasticizing admixtures.

INTEGRAL WATER REPELLENT ADMIXTURES

EUCON BLOCKTITE

Traditional polymer blend, the base of which has been used for decades in concrete masonry construction; when used in the manufacture of concrete block or brick, Eucon Blocktite develops strong and long-lasting moisture wicking resistance. Walls tested by the National Concrete Masonry Association (per ASTM E 514 @ 72-hours) achieved Class E (Excellent) ratings when exposed to 5.5"/hr. simulated rainfall accompanied by a 62.5 Mph wind force. NOTE – Hydrapel has also been qualified for use as an integral water repellent admixture, and may replace Blocktite in the manufacture of concrete masonry units.

EUCON BLOCKTITE MORTAR ADMIXTURE

Companion product to Eucon Blocktite for use in site-produced masonry mortar; Blocktite Mortar Admixture resists moisture migration and is an essential component of the Blocktite Water Repellent Admixture System. Note: For added protection, a silane/siloxane penetrating sealer such as Euclid Chemical's CHEMSTOP WB may be applied to walls constructed of Blocktite-treated block or brick and mortar. Please note that sealer coverage rates will be extended due to the reduced initial absorption of the wall surface.

CONCRETE AND MORTAR ACCELERATORS

EUCON BK-NCA/BK-80

Liquid non-chloride accelerating admixtures used to increase early strength of concrete products.

ACCELGUARD BK-AC

Liquid chloride-based accelerating admixture used for rapid strength development of concrete where little or no high-temperature curing is available, or where extremely short curing cycles are required.

EUCON WINTER ADMIXTURE

Multipurpose chloride-based liquid admixture used to accelerate the setting time of masonry mortar.

EUCON WINTER MIX POWDER

Chloride-based powdered admixture formulated to accelerate the setting time of masonry mortar.

“ WE SHAPE OUR BUILDINGS;
THEREAFTER THEY SHAPE US.”
- WINSTON CHURCHILL



INDUSTRY LEADERSHIP

For over 100 years, The Euclid Chemical Company has served as a leading supplier to the concrete and masonry industry offering a full line of engineered concrete admixture and construction products. These products include concrete admixtures, block and masonry additives, fibers, curing and sealing compounds, epoxy adhesives, floor and wall coatings, structural grouts for columns, equipment and machinery, joint fillers and repair products. The Euclid Chemical Company strives to bring innovative technologies and products to the concrete market with industry leading customer service.

CUSTOMER SOLUTIONS

The Euclid Chemical Company is unique in our offering of superior products and unparalleled customer service and industry support. The Euclid team delivers a range of value-added resources and in-depth industry experience to architects, designers, engineers, building contractors and owners. Comprised of highly trained professionals who are available in local offices across the Americas, our experts are active members on industry technical committees including American Concrete Institute (ACI), International Concrete Repair Institute (ICRI) and American Society for Testing and Materials (ASTM). Our experienced field team is available to support you and your projects using Euclid Chemical solutions and products manufactured under the stringent standards of our ISO 9001:2000 certified quality system. The Euclid Chemical Company works hand-in-hand with customers:

- ◆ supplying field evaluations, recommendations and application problem-solving on a project-by-project and technology basis;
- ◆ assisting in product selection, specification, installation and related technology;
- ◆ attending pre-design meetings, assisting in clarifying specifications and recommending product selection;
- ◆ supporting you by providing proper pre-installation instructions and methods for achieving quality results.

LABORATORY SERVICES

Our world class Cement and Concrete Reference Laboratory (CCRL) inspected facilities are equipped with state-of-the-art technologies and staffed by an exceptional team of professional, ACI and NCMA certified technicians. These outstanding resources provide The Euclid Chemical Company the capability to offer comprehensive analytic and petrographic evaluation and testing services via programs that conform to the standards prescribed by the American Society for Testing and Materials, the U.S. Army Corps of Engineers (USACE), the American Concrete Institute and the International Concrete Repair Institute.

TRAINING

The Euclid Chemical Company generously shares product information and technical knowledge through training and seminars conducted for project owners, contractors, distributors and design professionals. Many programs are AIA/CEU registered, allowing eligible attendees to earn professional development hours. Euclid Chemical is proud to sponsor these opportunities for our associates and colleagues as part of our ongoing commitment to the concrete construction industry.



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An **RPM** Company

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