

HIGH PERFORMANCE CONCRETE ADMIXTURES

THE EUCLID ADVANTAGE



The Euclid Chemical Company offers a complete line of world-class, high performance admixtures. Since 1910, our expertise, technology and excellent service have provided our customers' exceptional quality and value. EUCON admixtures meet ASTM standards and are field-proven, ensuring you highly durable and predictable concrete for your project. With a full service, state-of-the-art laboratory located in Cleveland, Ohio, Euclid provides precise solutions for our customers and works

to advance concrete technology for the benefit of the industry at-large. Our customer support services set the industry standard of excellence.



ONE SOURCE SOLUTION

The sales, technical and management staff of The Euclid Chemical Company are committed to ensuring the performance of our products and the satisfaction of our customers. Euclid is ISO9001:2000 certified to help assure the consistent quality and performance of our products. Our service network provides a range of value-added resources and in-depth industry experience to architects, designers, engineers, building contractors



and owners. Euclid customer service groups assist with product selection, specification, installation and related technology, as well as supply field evaluations, recommendations and application problem solving on a project-by-project basis. Our comprehensive approach provides the highest quality admixtures and unparalleled customer service, delivering a one source solution for all of your concrete construction needs.



SERVICE BEYOND EXPECTATION

Backed by four decades of leading design expertise, our dispenser systems are known throughout the market for exceptional engineering and superior service. The Euclid Chemical Company understands that accurate and reliable delivery is critical to our customers' integrity and profitability, and we support our industry associates with the flexibility of custom-built systems designed to meet their changing needs. Euclid's expertise, quick service and field-proven performance provide customers the consistent accuracy and industry-leading dependability required in today's demanding construction environment. At the batch plant or an onsite remote location, it is

quality, experience and employee dedication that sets our dispenser technology apart and delivers service that goes beyond your expectations.



HIGH PERFORMANCE CONCRETE ADMIXTURES



ACCELERATORS (ASTM TYPE C & E)

Euclid's premier accelerators are engineered to increase freeze resistance giving you optimum performance in cold weather concreting or when early set or strength is required. Available in

chloride and non-chloride based formulations, our accelerating admixtures reduce set time, deliver high early strength gains and enhance finishability for maximum profitability.

AIR ENTRAINERS (ASTM C 260)

Designed to protect against freeze-thaw cycling, EUCON air entraining agents provide exceptional freeze-thaw resistance by developing a proper air void system within concrete. Our advanced natural

and synthetic air entrainers improve the workability and durability of exterior concrete projects and provide an effective, economical alternative to more expensive materials.

RETARDERS (ASTM C 494 TYPE B & D)

The EUCON series of retarders relieve many of the difficulties involved in placing and finishing concrete in warm temperatures. Specifically developed for hot weather concreting, our

retarders delay the setting time and improve the hardened properties of concrete.

HIGH RANGE WATER REDUCERS (ASTM C 494 TYPE F)

Euclid's special class of high range water reducers lower water/cement ratios, increasing slump to produce flowable concrete. Our high range water reducers offer high early strengths and the

enhanced workability and pumpability needed in today's competitive concrete construction market. Use as an everyday superplasticizer or for self-consolidating concrete.

MID RANGE WATER REDUCERS (CURRENTLY NO ASTM SPECIFICATION)



Outstanding strength gain and enhanced finishability are just a few characteristics that Euclid's mid range water reducers offer. Exceptionally versatile, Euclid's mid range water reducers provide a 5-15%

water reduction without excessive set retardation for improved workability and superior, long-term performance.

WATER REDUCERS (ASTM C 494 TYPE A)

A wide variety of water reducers are available from Euclid Chemical that provide for the lower water content requirement and increased strength properties desired in today's evolved concrete designs. Available in various chemistries, water

reducers deliver a range of different setting, finishing and strength characteristics, ensuring you the right product and performance for all your concreting needs.



SPECIALTY ADMIXTURES



ALKALI-SILICA REACTIVITY

Alkali-silica reactivity control admixtures prevent the formation of damaging gel, eliminating the need to ship non-reactive aggregates from distant locations.

VISCOSITY MODIFIERS

Viscosity modifiers are designed to control unwanted bleeding and segregation in self-consolidating concrete.

FLOWABLE FILL

Flowable fill additives in a ready to use liquid will create Controlled Low Strength Material (CLSM) for backfilling utility trenches, old mines and stabilizing substrates.





CEMENT STABILIZERS

Cement stabilizers offer a dual function admixture that will stabilize wash-out water to be recycled or can be used to stop hydration and extend the life of concrete.

Products

EUCON W.O.
EUCON DS

Applications

Stabilizing washwater
Long hauls
Extended slump life
Ready mix

MICROSILICA (ASTM C 1240)

Microsilica (ASTM C 1240) available in powdered or liquid form, this mineral admixture creates a denser, stronger, more durable concrete.

Products

EUCON MSA

Applications

High strength concrete
Low permeability bridge decks
Ready mix
Precast



SHRINKAGE REDUCING ADMIXTURE

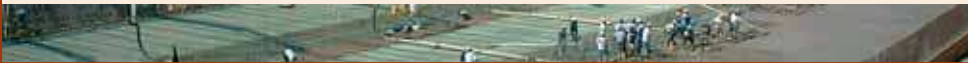
This specialty admixture is designed to significantly reduce the shrinkage that occurs during concrete drying. Shrinkage reducers will increase the performance, durability, and aesthetics of concrete structures.

Products

EUCON SRA

Applications

Big box retail
Factories
Warehouses
Dams
Concrete tanks
Skating rinks



SYNTHETIC MICRO AND MACRO-FIBERS (ASTM C 1116 TYPE III)

Synthetic micro- and macro-fibers (ASTM C 1116 Type III) are engineered to increase toughness and impact resistance, and reduce plastic shrinkage cracking by as much as 88%.

Products (Micro)

FIBERSTRAND 100
FIBERSTRAND 150
FIBERSTRAND 150ML
FIBERSTRAND F
FIBERSTRAND 200
FIBERSTRAND N

Applications (Micro)

Monofilament and fibrillated polypropylene, polyester, and nylon fibers for:
Control bleeding and segregation
Precast and self-consolidating concrete
Ready mixed concrete

Products (Macro)

TUF-STRAND SF

Applications (Macro)

Synthetic "structural" fibers for engineered replacement of WWM, light rebar reinforcing, and steel fibers on:
Precast structures (vaults, tanks)
Industrial and warehouse floors
Pavements and overlays
Shotcrete applications



HIGH PERFORMANCE CONCRETE ADMIXTURES



ACCELERATORS (ASTM TYPE C & E)

Euclid's premier accelerators are engineered to increase freeze resistance giving you optimum performance in cold weather concreting or when early set or strength is required. Available in chloride and non-chloride based formulations, our accelerating admixtures reduce set time, deliver high early strength gains and enhance finishability for maximum profitability.

Products

ACCELGUARD STANDARD	ACCELGUARD DSA
ACCELGUARD HE	EUCON AC
ACCELGUARD 80	EUCON ACC
ACCELGUARD 90	EUCON ACN
ACCELGUARD NCA	EUCON ACN 200



Applications

- Cold weather concreting
- Freeze-resistant concrete
- Fast track construction
- Fast track repair projects
- Ready mix
- Precast/prestressed



AIR ENTRAINERS (ASTM C 260)

Designed to protect against freeze-thaw cycling, EUCON air entraining agents provide exceptional freeze-thaw resistance by developing a proper air void system within concrete. Our advanced natural and synthetic air entrainers improve the workability and durability of exterior concrete projects and provide an effective, economical alternative to more expensive materials.

Products

AIR MIX	EUCON AIR 30
AIR MIX 200	EUCON AIR 31
AIR MIX 250	EUCON AIR 40
AEA-92	EUCON AIR 40S
AEA-92S	



Applications

- Exterior concrete
- Freeze-thaw durability
- Ready mix
- Precast



RETARDERS (ASTM C 494 TYPE B & D)

The EUCON series of retarders relieve many of the difficulties involved in placing and finishing concrete in warm temperatures. Specifically developed for hot weather concreting, our retarders delay the setting time and improve the hardened properties of concrete.

Products

EUCON RETARDER 75	EUCON TR
EUCON RETARDER 100	EUCON LR
EUCON NR	EUCON HC



Applications

- Hot weather concreting
- Repair projects
- Pumping concrete
- Bridge pours





HIGH RANGE WATER REDUCERS (ASTM C 494 TYPE F)

Euclid's special class of high range water reducers lower water/cement ratios, increasing slump to produce flowable concrete. Our high range water reducers offer high early strengths and the enhanced workability and pumpability needed in today's competitive concrete construction market.

Products

EUCON 37	EUCON SPC
EUCON 1037	EUCON SPQ
EUCON 537 (TYPE G)	EUCON SPJ
PLASTOL 5000	PLASTOL 5500
EUCON SP	PLASTOL 5700
EUCON RD 2 (TYPE G)	

Applications

- High performance concrete
- Self-consolidating concrete
- Pumping concrete
- High early strengths
- Low water to cement ratios
- Ready mix
- Precast/prestressed



MID RANGE WATER REDUCERS (CURRENTLY NO ASTM SPECIFICATION)

Outstanding strength gain and enhanced finishability are just a few characteristics that Euclid's mid range water reducers offer. Exceptionally versatile, Euclid's mid range water reducers provide a 5-15% water reduction without excessive set retardation for improved workability and superior, long-term performance.

Products

- EUCON MR
- PLASTOL 341
- EUCON X-15
- EUCON X-20
- EUCON X-26
- EUCON PRO-FINISH



Applications

- Flatwork
- Residential
- Commercial
- Architectural concrete
- Pumping
- Ready mix
- Precast



WATER REDUCERS (ASTM C 494 TYPE A)

A wide variety of water reducers are available from Euclid Chemical that provide for the lower water content requirement and increased strength properties desired in today's evolved concrete designs. Available in various chemistries, our reducers deliver a range of different setting, finishing and strength characteristics, ensuring you the right product and performance for all your concreting needs.

Products

EUCON A+	EUCON 11
EUCON WR	EUCON NW
EUCON WR 75	EUCON HW
EUCON WR 91	EUCON LW

Applications

- Flatwork
- Residential
- General purpose concrete
- Ready mix
- Precast



SPECIALTY CONCRETE ADMIXTURES

The Euclid Chemical Company has developed a variety of specialty admixtures formulated to solve unique challenges in concrete construction, which address the demands of individual markets and new concrete technologies.



ALKALI-SILICA REACTIVITY

Alkali-silica reactivity control admixtures prevent the formation of damaging gel, eliminating the need to ship non-reactive aggregates from distant locations.

Products

EUCON INTEGRAL ARC
EUCON LINX

Applications

Ready mix/precast

VISCOSITY MODIFIERS

Viscosity modifiers are designed to control unwanted bleeding and segregation in self-consolidating concrete.

Products

VISCTROL
EUCON ABS

Applications

Control bleeding and segregation
Precast self-consolidating concrete
Ready mix

FLOWABLE FILL

Flowable fill additives in a ready to use liquid will create Controlled Low Strength Material (CLSM) for backfilling utility trenches, old mines and stabilizing substrates.

Products

EUCON EASY FILL

Applications

Controlled low strength materials (CLSM)
Utility trenches
Pipe bedding
Road base
Ready mix



CORROSION INHIBITORS

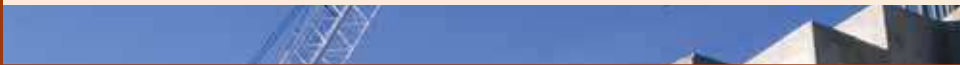
Corrosion inhibitors form a natural, passivating layer on reinforcing steel to provide superior protection against rust induced by chlorides and deicing salts.

Products

EUCON CIA
EUCON BCN

Applications

Exterior steel reinforced concrete
Structural concrete
Parking decks
Ready mix
Precast



ANTI-WASHOUT

Anti-washout admixtures prevent the loss of cement and fine aggregate during the placement of underwater concreting.

Products

EUCON AWA

Applications

Underwater concreting
Ready mix
Cast in place



CORROSION INHIBITORS

Corrosion inhibitors form a natural, passivating layer on reinforcing steel to provide superior protection against rust induced by chlorides and deicing salts.

ANTI-WASHOUT

Anti-washout admixtures prevent the loss of cement and fine aggregate during the placement of underwater concreting.

CEMENT STABILIZERS

Cement stabilizers are a dual function admixture that will stabilize wash-out water to be recycled or can be used to stop hydration and extend the life of concrete.

MICROSILICA (ASTM C 1240)

Microsilica (ASTM C 1240) available in powdered or liquid form, this mineral admixture creates a denser, stronger, more durable concrete.

SHRINKAGE REDUCING ADMIXTURE

This specialty admixture is designed to significantly reduce the shrinkage that occurs during concrete drying. Shrinkage reducers will increase the performance, durability, and aesthetics of concrete structures.

SYNTHETIC MICRO AND MACRO-FIBERS (ASTM C 1116 TYPE III)

Synthetic micro- and macro-fibers (ASTM C 1116 Type III) are engineered to increase toughness and impact resistance, and reduce plastic shrinkage cracking by as much as 88%.





INNOVATIVE SOLUTIONS... INTENSIVE CUSTOMER SERVICE

For almost 100 years, The Euclid Chemical Company has served as a leading supplier of specialty products and technical support services for the concrete and masonry construction industry. We design and manufacture over 200 concrete construction products, and strive to develop new technologies to meet industry's evolving needs. Marketed under the EUCON brand name, our full line of admixtures are available through a Euclid Sales Representative who will provide assistance with concrete design and product selection. Along with superior products, The Euclid Chemical Company offers comprehensive technical and industry support services including research and development, seminar and training programs with design and installation consultation for our customers and industry associates.



The Euclid Chemical Company

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An **RPM** Company

The Euclid Chemical Company, founded in 1910, is today a worldwide supplier of quality products and services for the concrete and masonry industry. Marketed under the EUCON name, we offer a full line of admixtures, repair and maintenance products based on the latest technologies. We provide complete specification assistance and laboratory support as well as on-site service for guidance on proper product usage. EUCON materials are warehoused in over 200 locations in the USA and are available world-wide through international affiliates.

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