



**EUCLID CHEMICAL**

# **PRECAST CONCRETE**

## ADMIXTURES & CONSTRUCTION PRODUCTS



ADMIXTURES

FIBER REINFORCEMENT

FORM RELEASE

CURING COMPOUNDS & SEALERS

PROTECTION AND REPAIR

DECORATIVE PRODUCTS



# PRECAST CONCRETE

## ADMIXTURES & CONSTRUCTION PRODUCTS

Euclid Chemical serves the precast concrete market by providing products to assist producers in the manufacture and repair of precast concrete products such as septic tanks, vaults, utility structures, pipe, walls and more.

### PRECAST CONCRETE ADMIXTURES

Euclid Chemical's admixtures are designed for the production of quality precast concrete for projects of all sizes and under the most demanding of conditions. Whatever the application calls for, Euclid Chemical's ability to pair technology, engineering and service gives you the precise formula you need to optimize your precast concrete's function and performance.

### HIGH-RANGE WATER REDUCERS

Euclid Chemical's family of high-range water reducing admixtures, including the new, highly refined Ultra line of precast specific products, utilizes state of the art technology to produce consistent and quality precast concrete products.

- **PLASTOL ULTRA 209**

*State of the art quick wet-out technology that provides flowable and self-consolidating concrete at low doses*

- **PLASTOL 5700**

*Produces exceptional water reduction, slump flow and high strengths*

- **PLASTOL SPC**

*Produces exceptional water reduction, slump flow and high strengths*

- **PLASTOL 6200 EXT**

*Engineered for applications where extended workability retention is required*

### ACCELERATORS

Euclid Chemical offers a broad range of liquid accelerating admixtures for use when early strength gain is required or to reduce stripping time.

#### NON-CHLORIDE

- ACCELGUARD G3
- ACCELGUARD NCA
- ACCELGUARD 80
- ACCELGUARD 90
- ACCELGUARD ACN 200

#### CHLORIDE

- ACCELGUARD STANDARD
- ACCELGUARD HE

### ADDITIONAL ADMIXTURES

Euclid Chemical also offers other high quality specialty admixtures to assist in the manufacture of precast concrete products.

- **Viscosity Modifiers**
  - Vistrol
  - EUCON ABS
- **Corrosion Inhibitors**
  - EUCON CIA
- **ASR control**
  - EUCON Integral ARC
- **Shrinkage Control Additives**
  - EUCON SRA-XT
  - Conex
- **Waterproofing**
  - EUCON Vandex AM-10



## FIBER REINFORCEMENT

The Euclid Chemical Company provides micro and macro-synthetic fibers and steel fibers for precast concrete structures and applications under the PSI FIBERSTRAND, TUF-STRAND and PSI STEEL FIBER trade names. Design aids and engineering tools are available to assist precast producers to calculate the appropriate fiber quantities to protect concrete against shrinkage cracking and to even replace limited amounts of steel reinforcement.

### BENEFITS

- Save time and money in production while improving product quality
- Corrosion free alternate design using macro-synthetic fibers
- Engineered calculations and concrete mixture design assistance available

### APPLICATIONS

- Septic tanks and burial vaults
- Manhole riser sections and catch basins
- Wall units and tunnel segments
- Utility structures and architectural concrete

## DECORATIVE

Through the Increte brand, Euclid Chemical also offers a line of decorative concrete products designed specifically for precast concrete.

- **Precast Formliners**
- **Color-Matic Coloring System**
  - COLOR-CRETE Powdered Colors
  - COLOR-CRETE Liquid Colors
  - COLOR-CRETE Granular Colors
- **Decorative Precast Accessories**

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## FORM RELEASE AGENTS

- **FORMSHIELD PURE** - Premium, oil-based, chemically reactive, low VOC form release agent with exceptional performance and ease of use.
- **FORMSHIELD WB** - Economical, water-based release agent for metal, plastic, and wood composition forms.

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## CURING AND SEALING

Quality concrete requires adequate curing and sealing. Euclid Chemical has an entire line of VOC compliant curing agents and sealers that meet ASTM specifications.

- **KUREZ DR VOX** - Effectively cures new concrete and breaks down when exposed to UV light.
- **EVERCLEAR VOX** - Water-based acrylic sealer for concrete, with excellent blush resistance and total resistance to yellowing from UV exposure.
- **CHEMSTOP WB REGULAR** - Water-based silane/siloxane penetrating sealer that provides water and salt repellency without changing the appearance of the concrete.

# PRECAST CONCRETE

## ADMIXTURES & CONSTRUCTION PRODUCTS

The Euclid Chemical Company provides fast setting, multi-purpose, innovative and time-saving repair materials that have been developed to address the needs of the precast concrete producer.

### PROTECTION & REPAIR

#### EUCOREPAIR V100

*Low-shrinkage, vertical and overhead repair mortar*

- Extremely low shrinkage; very low tendency for cracking
- Fiber-reinforced, polymer-modified, and contains a corrosion inhibitor
- Single component formula for easy mixing and handling

#### DURAL 100 & DURAL 106

*Epoxy adhesives for precast segmental construction*

- Choose from shorter open contact time (Dural 100) or longer open contact time (Dural 106)
- Can be used in a wide range of application temperatures

#### TAMMSCRETE

*Polymer-modified, cementitious finishing material*

- Fills bug holes and honeycombs to achieve a smooth finish on precast units
- Creamy consistency and long working time

#### DURALKOTE 500

*Ultra-high build epoxy liner system*

- Protects concrete from chemical attack in manholes and sewer pipes
- 100% solids, low odor formulation
- Can be applied by brush, sprayer, or trowel

#### SPEED CRETE RED LINE

*Rapid-setting, cementitious repair mortar*

- Can be shaved and shaped for detailed repairs of corners and edges
- Fast-setting for quick turnaround
- High strength and excellent durability



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