



EUCO Precast Concrete Products

ADMIXTURES AND REPAIR MATERIALS





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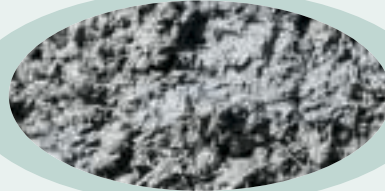
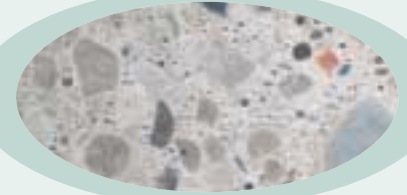
For 80 years, the construction industry has relied on The Euclid Chemical Company to provide a wide variety of quality construction products. In fact, Euclid Chemical has become the largest single source supplier with proven technologies in concrete admixtures, repair materials, synthetic fibers, epoxy adhesives and form releasing agents.



Precast Admixtures

- Water Reducers**
- Superplasticizers**
- Accelerators**
- Air Entraining Agents**
- Mineral Admixtures**
- Structural Fibers**

EUCO admixtures have played a key role in mix designs for projects of all sizes and under the most demanding conditions. Whether your application calls for water reduction, freeze/thaw durability, fast initial set times ...you name it... our ability to pair technology, engineering and service gives you the precise formulation you need to optimize your pre-cast concrete's function and performance.



Repair Products

- Epoxy Adhesives**
- Epoxy Bonding Agents**
- Crack Repairs**
- Coatings**

From roadway and bridge projects to garages, airports and piers, downtime can be a real liability. Fortunately, EUCO repair products are formulated for speed, cost-efficiency and profitability. Whether it's during initial construction or during field repairs, EUCO products make fast work of freeze-thaw damage, cracking, joint breakdown, rebar corrosion, sealing, leakage, spalling and more.

Curing Compounds

Concrete must have an internal relative humidity of at least 80% for the complete hydration of cement to occur. When the internal humidity of concrete drops below 80%, strength gain is stopped which could result in shrinkage cracking. The Euclid Chemical Company has an entire line of V.O.C. compliant curing agents that meet ASTM specifications.

Contact your Euclid Chemical representative for a product recommendation.

High Range Water Reducers

All Euclid Chemical High Range Water Reducers meet ASTM C-494, Type F Requirements.

- **Plastol 5000** - Polycarboxylate based super-plasticizer that yields impressive water reduction and high early stripping strengths. Plastol 5000 is ideal for self-consolidating concrete.

- **Visctrol** - This viscosity modifying admixture will help control bleeding and segregation. An ideal choice when materials used for self-consolidating concrete are not an optimum gradation.

- **Eucon 37 and Eucon 1037** - These high range water reducers increase compressive strengths as well as improving workability.

Plastol 5000 superplasticizer and Eucon MSA microsilica are used to achieve very high flexural and compressive strengths



Mineral Admixtures

- **Eucon MSA** - Microsilica is used for very high performance mixtures in conjunction with high range water reducers. Mineral Admixtures are quite often specified for precast modular housing units and other products requiring high strengths.

Form Release Agents

- **Eucoslip VOX** - V.O.C. compliant form release agent that can be applied in very cold and very hot temperatures.

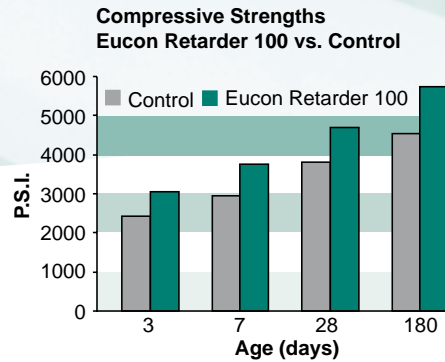
- **Euco Super Slip** - This concrete form release agent produces smooth, flat surfaces free of voids and defects.

- **Formeze Natural** - New technology form release agent with ZERO V. O. C.'s suitable for steel, aluminum, fiberglass, wood or rubber forms.

- **Surface Retarder Formula "F"** - This specially formulated surface retarder can be painted

Retarders

- **Retarder 75 and Retarder 100** - These modified organic polymers will retard concrete extending working time and increasing compressive strengths. Both meet or exceed the requirements of ASTM C-494 Types B&D admixtures.



Air Entraining

A proper air void system is critical to the freeze thaw durability of your concrete. The Euclid Chemical Company has a full line of ASTM and AASHTO certified air entraining agents.

- **AEA 92 and AEA 92S** - Concentrated and normal strength synthetic air entraining agents that provide freeze-thaw durability. Complies with ASTM C-260 and AASHTO M-154.

- **Air Mix 200 and Air Mix 250** - Concentrated and normal strength air entraining admixture providing a stable air void system with proper bubble sizes and spacing. Complies with ASTM C-260 and AASHTO M-154.



TUF-STRAND SF fibers have been engineered to disperse evenly throughout the cement matrix allowing better impact resistance and flexural toughness.

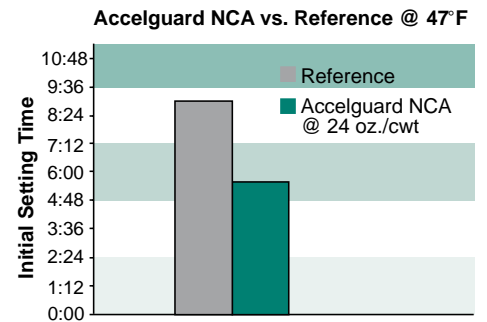
Accelerators

The Euclid Chemical Company has been an industry pioneer providing chloride and non-chloride accelerators that meet ASTM C-494 Types C&E requirements.

- **Accelguard 80** - The first non-chloride accelerator in the industry providing significant improvements in early stiffening and setting characteristics.

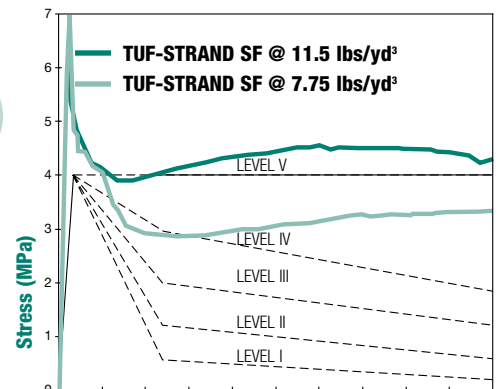
- **Accelguard NCA** - Non-chloride accelerating admixture that will reduce initial setting times of up to 35%.

- **Accelguard HE** - Chloride bearing accelerating admixture providing High Early strengths for quicker form stripping.



Tuf-Strand SF™ Fibers

TUF-STRAND SF fibers save time and money by eliminating the labor intensive (and costly) installation of welded wire mesh or steel fibers. Simply add TUF-STRAND SF fibers to your concrete mixture to increase flexural toughness and impact resistance.





EUCO Epoxy Adhesives

Use Euco epoxy products to bond concrete, anchor dowels and bolts. Also suitable for making high strength repairs. The Euco epoxy line of adhesives make it convenient for producers that prefer "one stop shopping" with Euclid Chemical products.

Euco #352 Epoxy - 2 part, low modulus epoxy.

Euco #452 Epoxy - 2 part, high modulus epoxy available in bulk and easy to use cartridges.

Euco #620 Epoxy - 2 part, high modulus, fast setting epoxy sold in bulk or easy to use cartridges.

Euco Injection Resin - 2 part, high modulus epoxy that can be injected to penetrate deeply into small cracks.



- ◆ High strengths
- ◆ Moisture insensitive formulas
- ◆ 100% solids
- ◆ Excellent bonding performance
- ◆ #452 and #620 epoxies available in cartridges
- ◆ Solvent free
- ◆ Meets applicable ASTM, ICBO and USDA requirements (refer to individual data sheets for specific data).

Repair Products

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

Euco Rapid Patch HE

- Polymer modified
- Widely used for precast repairs
- Repair pipe, tanks or walls
- Place 1/16-1 inch depths
- Very high early strengths

Euco Seal

- Latex modified
- Heavy duty cementitious coating
- Seals voids
- Stops moisture penetration

Euco Patch

- Fast setting
- Just add water
- Suitable for vertical and overhead repairs
- Final set in about 30 minutes

Verticoat and Verticoat Supreme

- Polymer modified
- Ideal for vertical and overhead repairs
- Repair honeycombed surfaces
- Can go up to 4" thick
- Easy to use



For complete specifications for Euco Precast products, contact The Euclid Chemical Company.



The Euclid Chemical Company

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An **RPM** Company

www.euclidchemical.com

ISO 9001 Certified

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 EUCO name, we offer a full line of 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. EUCO materials are warehoused in over 200 locations in the USA and are available world-wide through international affiliates.

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