



The Euclid Chemical Company

EUCO Precast Concrete Products

ADMIXTURES AND REPAIR MATERIALS





EUCO Precast Concrete Products

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 precast concrete's function and performance.

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.

High Range Water Reducers

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

- **Plastol 5000, Eucon SPJ, and Eucon SPQ** -

The Euclid family of polycarboxylates use state-of-the-art technologies to make consistent self-consolidating concrete.

- **Visctrol and Eucon SL** - These viscosity modifying admixtures control bleeding and segregation in self-consolidating concrete. When materials are not an optimum gradation, viscosity modifiers maintain homogenous concrete.

- **Eucon 37, Eucon 1037, Eucon SP, Eucon SPM40 and Eucon SP50** - These high range water reducers increase compressive strengths and improve 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.

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.

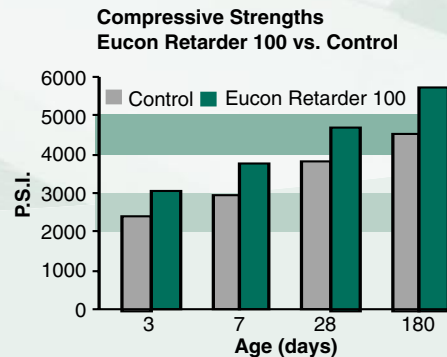
- **AEA 92 and AEA 92S** - Concentrated and normal strength synthetic air entraining agents that provide freeze/thaw durability. Comply with ASTM C-260 and AASHTO M-154.
 - **Air Mix 200 and Air Mix 250** - Concentrated and normal strength air entraining admixtures providing a stable air void system with proper bubble sizes and spacing. Comply with ASTM C-260 and AASHTO M-154.
 - **Eucon Air 40, Eucon Air 30, Eucon Air 31 and Eucon Air 405** - Concentrated and normal strength air entraining admixture providing a stable air void system with proper bubble sizes and spacing. Comply with ASTM C-260 and AASHTO M-154.
- Consult your Euclid Chemical Representative to find the air entraining agents that works best with your materials.

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 on forms leaving an exposed aggregate surface.

Retarders

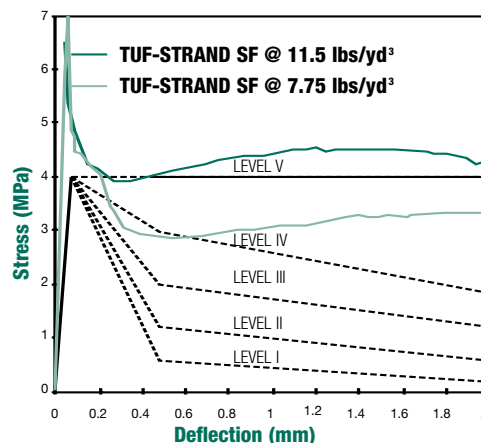
- **Retarder 75, Retarder 100 and Eucon TR** - These modified organic polymers will reduce water demand, extend working times and increase late age compressive strengths.



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

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.

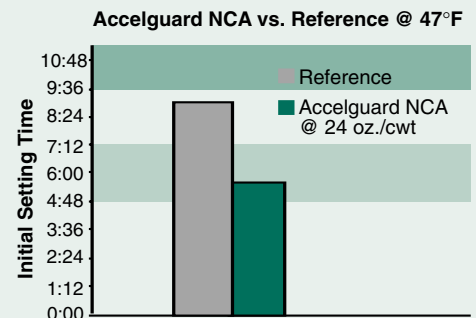


Accelerators

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

Euclid Chemical offers a wide variety of formulated accelerators that increase productivity and improve the bottom line for producers and contractors.

- **Accelguard 80**
- **Accelguard NCA**
- **Eucon AcN**
- **Eucon AcN200**



Calcium chloride has been used for years to accelerate the hydration of cement. Euclid Chemical has liquid calcium chloride based accelerators that are effective and economical.

- **Accelguard HE**
- **Eucon Ac**

Consult your local Euclid Sales Representative to find the right products for you. At Euclid Chemical, it's service that sets us apart.



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

19218 Redwood Road ♦ Cleveland, Ohio 44110
Toll-free: [800] 321-7628 ♦ Fax: [216] 531-9596

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.

B 08 Precast 1.04 10M ©2002 The Euclid Chemical Company.
All rights reserved.