



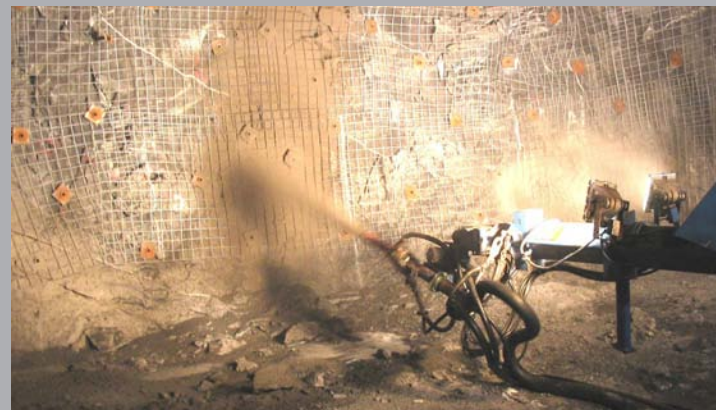
GROUND SUPPORT

Rock Bolt Cartridges

Eucorock Grout Cartridges are a cost-effective alternative to resin cartridges for the installation of rebar-type rockbolts. These cartridges are available in two cement-based formulations that provide Normal Setting characteristics (NS) and Fast Setting characteristics (FS). Rotation is not required nor recommended for the installation of EUCOROCK GROUT Cartridges.

SERVICE

At Euclid Chemical we pride ourselves on our commitment to service. From concept to planning to testing to application, Euclid Chemical is situated with a staff of engineering experts and mining specialists to provide the kind of quality service expected by the mining industry. The Euclid Chemical mining specialists are highly experienced in dealing with situations that are considered 'outside' of everyday mining. Regardless of the situation, chances are, that our mining specialists have seen it and will develop a plan to address any challenges.



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An **RPIM** Company

The Euclid Chemical Company serves the global building market as an ISO 9001:2000 supplier of specialty products and support services for the concrete and masonry construction industry. Marketed under the Baracade, Dural, Euco, Eucon, Speed Crete and Tamms brands, 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. EUCO materials are warehoused in over 200 locations in the USA and are available world-wide through international affiliates.

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INNOVATION

Euclid Chemical serves the mining industry with new admixtures specifically designed for shotcrete mixes and backfill and also carries grouts, grout fluidifiers and mining accessories. Euclid services several accounts throughout the Americas and strives to be the innovative leader in this market. Euclid staff also design successful shotcrete mixes for a mining applications. For any underground concrete application, The Euclid Chemical Company offers superior products and customer service to the mining industry.



MINE BACKFILL

Euclid Chemical manufactures a full line of products specifically formulated to improve all facets of backfill mixes. These materials include accelerators for all types of fills, set-stabilizers for rock and paste fills and water reducers and super plasticizers to enhance flow and increase compressive strength. Euclid Chemical also offers anti-washout admixtures and flowable-fill agents.

ADMIXTURES

Accelerators

- Euco-Fill 10
- Euco-Fill 12

Retarders

- Euco-Fill 25
- Euco-Fill 27

Water Reducers

- Euco-Fill 30
- Euco-Fill 31
- Euco-Fill 32
- Euco-Fill 33

Super Plasticizers

- Euco-Fill 40
- Euco-Fill 45

Specialty

- Euco-Fill 50
- Eucon Easy Fill



GROUTS

Cementitious

Euclid Chemical supplies a variety of packaged cementitious grouts that meet the demanding specifications for mining applications as well as a grout fluidifier for use with site-mixed grouts.

Euco Cable Grout, Euco Cable Grout PTX, Euco Rock, Euco Tremie Grout, EucoRock, EucoRock Grout Cartridges

Chemical

Euclid Chemical offers chemical grouts for stopping almost any rate of water inflow into the mining areas.

Dural Aqua-Dam, Dural Aqua-dam 100, Dural Aqua-Dam 200F, Dural Aqua-Fil



SHOTCRETE SOLUTIONS

Euclid Chemical is involved with all facets of shotcrete production. Products ranging from microsilica-modified shotcrete material, to set stabilized shotcrete mixes to liquid accelerators. These products are formulated specifically to help shotcrete producers and contractors obtain the consistent and reliable performance that is required in today's mining industry.

MACRO-FIBERS AND SPECIALTY ITEMS

Tuf-Strand SF macro synthetic fibers are designed to provide shotcrete with increased toughness, impact and fatigue resistance and plastic shrinkage cracking control and are successfully used to replace welded wire mesh and steel fibers in a wide variety of applications.

In keeping with Euclid Chemical's ONE SOURCE approach, we also offer products and services intended to ensure successful and consistent performance. Products like silica fume, release agents, concrete cleaner, ore pass liner materials, set time extender for on-site addition and light reflective flooring products combined with Euclid Chemical's staff of focused experts will help keep mining operations running successfully for years to come.

DRY-MIX SHOTCRETE (GUNITE) APPLICATIONS

Packaged Shotcrete

Euclid Chemical offers a range of utility and specialty packaged shotcrete mixes for dry-mix applications as well as a full range of powdered admixtures including accelerators for dry-mix shotcrete.

WET-MIX SHOTCRETE APPLICATIONS

Shotcrete Admixtures

Euclid Chemical carries a full line of admixtures for use in wet-mix shotcrete; these include silica fume, set stabilizers, superplasticizers, viscosity modifying agents, specialty admixtures and various types of shotcrete accelerators.