



THE EUCLID CHEMICAL COMPANY

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EUCOSHOT D-A

POWDERED SHOTCRETE ACCELERATOR

EUCOSHOT D-A is a multi-purpose admixture designed to accelerate the normal setting rate of shotcrete, increase strength development at all ages and improve workability. EUCOSHOT D-A does not contain any chloride ions.

PRIMARY APPLICATIONS

- Accelerator for use in dry shotcrete applications

FEATURES/BENEFITS

- Accelerates setting time of shotcrete
- Reduces rebound
- Enables thicker build of shotcrete
- Increases strength at all ages
- Improves workability
- Aids in protecting shotcrete in cold weather
- Does not accelerate corrosion of reinforcing steel

SPECIFICATIONS/COMPLIANCES

- In compliance with ASTM C-494, Type C requirements.

NOTE: This product does not protect the mix from freezing. This product will allow the shotcrete to gain strength at a faster rate.

Appearance-EUCOSHOT D-A is a white, free flowing, fine grained powder.

PACKAGING

EUCOSHOT D-A is available in 50 lb (22.5 kg) bags, or in 3,300 lb (1,500 kg) sacs.

Shelf Life: 1 year in original, unopened package.

DOSAGE

EUCOSHOT D-A is dosed between 0.75% and 1.5% by weight of cementitious materials, depending on the cement, the rate of acceleration required and the ambient temperature.

TECHNICAL INFORMATION

The following results are from samples obtained by spraying with industry-standard equipment in a laboratory setting using 0.8% EUCOSHOT D-A in a standard industry mix.

	Without Accelerator	With EUCOSHOT D-A
Initial Set (ASTM C-1398)	40 min.	4.75 min.
Percentage Rebound	32.9	19.3
Maximum Build (Vert.)	2.15"	10"

Compressive Strength (ASTM C-1140)

1 day	1,195 psi (8.2 MPa)	2,580 psi (17.7 MPa)
7 days	2,950 psi (20.2 MPa)	3,450 psi (24 MPa)
28 days	4,060 psi (27.8 MPa)	4,200 psi (28.8 MPa)

DIRECTIONS FOR USE

EUCOSHOT D-A should be blended thoroughly with the dry shotcrete mix before introduction to the shotcreting equipment.

PRECAUTIONS/LIMITATIONS

- EUCOSHOT D-A should never be used in a wet mix as initial set can occur in as little as ten minutes after contact with water.
- It is recommended that test panels be shot to determine the best amount of accelerator for a specific application
- Store EUCOSHOT D-A in a dry area, free of relative humidity.

ADDITIONAL INFORMATION

For more information on the use of EUCOSHOT D-A or any other admixture, contact The Euclid Chemical Company, Underground Sales and Marketing at 1-800-321-7628, extension 8395. The Euclid Chemical Company will assist mining and tunneling operations in testing of materials to assess correct admixture usage for specific applications.



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