



THE EUCLID CHEMICAL COMPANY

19218 REDWOOD ROAD • Cleveland, OH 44110
(216) 531-9222 • (800) 321-7628 • FAX (216) 531-9596
www.euclidchemical.com



EUCO-FILL 10

ACCELERATING ADMIXTURE FOR MINE BACKFILL MIXES

CONSTRUCTION PRODUCTS FOR

VOX

A SAFER ENVIRONMENT

EUCO-FILL 10 is a combination accelerating and water-reducing liquid admixture for mine backfill. It is a chloride base material for accelerating the cement reaction in backfill mixes.

PRIMARY APPLICATIONS

- Hydraulic slurry fills
- Rockfill mixes
- Backfill placement in cool temperature environments

FEATURES/BENEFITS

- Reduces time to initial set
- Provides higher early strength
- Densifies mixes
- Minimizes segregation

SPECIFICATIONS/COMPLIANCES

- EUCO-FILL 10 meets or exceeds the requirements of ASTM C-494, Type E admixture.
- EUCO-FILL 10 meets or exceeds the requirements of AASHTOM-194.

PACKAGING

EUCO-FILL 10 is available in bulk, 275 gal (1041 liter) totes and 55 gal (208 liter) drums.

Shelf life: 2 years in original, unopened container.

DOSAGE

EUCO-FILL 10 is typically used at dosage rates of 10 oz to 32 oz / ton (650 to 2000 ml / tonne) of backfill for most applications. Dosage is dependent on the quantity of binder in the mix. As the quantity is increased, the time to set is decreased and strengths are increased.

TECHNICAL INFORMATION

Laboratory data with concrete mix

Mix Design	#1 (kg)	#2 (kg)
Cement	446 lb (202)	446 lb (202)
Fine Aggregate	1580 lb (717)	1580 lb (717)
Coarse Aggregate	1750 lb (794)	1750 lb (794)
Water Added	265 lb (120)	270 lb (122)
EUCO-FILL 10	32 oz/cwt	16 oz/ cwt

Typical Results

Yield	27.2	27.2
Slump	3"(76 mm)	3-1/4"(83 mm)
Air	2.6%	2.3%
Average 7 day	4,050 psi (27.9 MPa)	3,740 psi (25.8 MPa)
Average 28 day	5,155 psi (35.6 MPa)	4,775 psi (32.9 MPa)
Initial Set	4 hrs. 8 min	4 hrs. 32 min

DIRECTIONS FOR USE

EUCO-FILL 10 can be added to the tailings or other aggregate and water in the mix. It must not be dispensed onto dry cement.

PRECAUTIONS/LIMITATIONS

Do not dispense directly onto dry cement.

ADDITIONAL INFORMATION

For more information on the use of EUCO-FILL 10 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 operations in testing of materials to assess correct admixture usage for specific applications.