



EUCLID CHEMICAL

EUCO-FILL 27

SET STABILIZING ADMIXTURE

DESCRIPTION

EUCO-FILL 27 is a water reducing, retarding, strength increasing admixture for mine rockfill mixes and grout mixes. It contains a double metallo-organic salt derived from hydroxycarboxylic acids.

PRIMARY APPLICATIONS

- Rockfill mixes
- Grout mixes

FEATURES/BENEFITS

- Improves rheological properties
- Reduces segregation
- EUCO-FILL 27 reduces water requirements from 4% to 8% depending on dosage and cementitious material characteristics
- Will generally increase compressive strength from 15% to 25%

TECHNICAL INFORMATION

Compressive strengths from 3 to 28 days normally show increases in excess of 20% over control mixes.

Laboratory data with rockfill mix:		COMPRESSIVE STRENGTH		MIX	INITIAL SET
		Without Admixture	Euco-fill 27		
3 day	160 psi (1.1 MPa)	173 psi (1.2 MPa)	Reference	EUCO-FILL 27 @ 175 ml/100 kg cementitious	8 hours 50 min
7 day	261 psi (1.8 MPa)	290 psi (2.0 MPa)			
28 day	377 psi (2.6 MPa)	435 psi (3.0 MPa)	Delay in setting time		

PACKAGING

EUCO-FILL 31 is packaged in bulk, 275 gal (1041 L) totes and 55 gal (208 L) drums.

SHELF LIFE

1 year in original, unopened container

DOSAGE

EUCO-FILL 32 is typically used at dosage rates of 2 to 10 oz/ton (100 to 750 ml/tonne) of backfill for most applications. Dosage is dependent on the characteristics of the materials being used. As the quantity of admixture is increased, the flowability will increase. When half the recommended dosage is surpassed, retardation of the setting time should become apparent and become longer with increasing dosage.

DIRECTIONS FOR USE

EUCO-FILL 32 is dispersed into either the water or the entire mix. It should not come in contact with dry cement or other admixtures until they are mixed into the fill. EUCO-FILL 32 is compatible with other admixtures; however, each admixture should be added to the mix separately.

PRECAUTIONS/LIMITATIONS

- Care should be taken to maintain EUCO-FILL 32 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Never agitate with air.
- In all cases, consult the Safety Data Sheet before use.

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