



EUCLID CHEMICAL

EUCO-FILL 60

VISCOSITY ENHANCING LIQUID

DESCRIPTION

EUCO-FILL 60 is a liquid rheology-enhancing admixture that provides improved drainage water reduction from stopes after fill placement. EUCO-FILL 60 is formulated to deliver superior structural strength and offer enhanced placement characteristics to the fill mixture. EUCO-FILL 60 is especially effective for, but not limited to, conventional cemented hydraulic and paste backfills and has shown benefits to cemented aggregate fills.

PRIMARY APPLICATIONS

- Hydraulic backfill mixes
- Paste backfill mixes
- Advanced hydraulic (Gelfill) mixes

FEATURES/BENEFITS

- Improved slurry rheology and flow characteristics
- Increased service life for pipelines and pumps
- Improved fill strength at reduced cement content
- Decreased drainage water
- Improved fines consolidation
- Reduced fill segregation in stope
- Improved tonnage throughput and cycle times
- Reduced self-heating and fire hazard

TECHNICAL DATA

EUCO-FILL 60 provides increased solids content (up to 75% for hydraulic fills and up to 85% for paste backfills) without sanding out lines. Minimum 20% reduction in backfill tonnage per unit volume is generated with high early strength, significantly minimizing fill fence design requirement. Cost-effective and user friendly preparation process.

PACKAGING

EUCO-FILL 60 is available in bulk, 275 gal (1000L) totes and 55 gal (208L) drums.

SHELF LIFE

12 months in original, unopened container.

DOSAGE

EUCO-FILL 60 is used as part of the cementitious binder (portland cement, slag cement or fly ash). Typical dosage rate is 45 to 90 oz/ton (1.45 L to 2.9 L / tonne) of backfill for most applications. Dosage is dependent on fill type, constituents and fill strength requirements.

DIRECTIONS FOR USE

EUCO-FILL 60 is added to the tailings mixed with the binder. EUCO-FILL 60 is typically dispersed into the water prior to the addition to the mix. It should not come into contact with dry cement or other admixtures until they are mixed into the fill. EUCO-FILL 60 is compatible with other admixtures; however, each admixture should be added to the mix separately.

PRECAUTIONS/LIMITATIONS

- Wear protective goggles and gloves when handling EUCO-FILL 60
- Add to mix independent of other admixtures
- Higher than recommended dosage rate may result in accelerated setting
- Care should be taken to maintain EUCO-FILL 60 above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated
- Do not agitate with air
- In all cases, consult the Material Safety Data Sheet before use.

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