

MasterRoc MF 504

High performance dispersing admixture for mine backfill mixes

Material Description

MasterRoc MF 504 is a liquid, dispersing admixture used to enhance backfill properties.

Areas of Application

MasterRoc MF 504 is recommended for use in:

- Paste fill
- High density fill
- Cemented rockfill
- Hydraulic fill

Characteristics & Benefits

- Reduces the water content of backfill materials leading to higher in-situ strengths
- Improves slump and flow properties
- Increases in-place strength at all ages
- Normal setting time and rate of hardening
- Reduces pumping and distribution pressures
- Mix optimization and/or cost savings by binder reduction (cement/slag cement/fly ash)
- Enhances workability (rheological properties) in all types of backfills, requiring less water.
- Reduces segregation of high density slurries
- Reduces permeability and shrinkage in hardened fill
- Potentially reduces cycle time and increases production.

Dosage

The dosage range for MasterRoc MF 504 admixture may be affected by the total cementitious materials content of the mixture and by the particle size distribution of the backfill material.

The normal dosage range of the admixture is 150-500mL/tonne of backfill.

Application

MasterRoc MF 504 can be dispensed directly into the water or the entire wetted out mix. MasterRoc MF 504 admixture should not be dispensed directly onto the dry binder or with other admixtures.

Compatibility

When used in conjunction with other admixtures must be dispensed separately into the mix. The admixture is not typically chemically reactive with most backfill materials. Testing is recommended prior to use.

Do not use MasterRoc MF 504 admixture with admixtures containing beta-naphthalene-sulfonate. Erratic behaviours in slump, slump flow and pumpability may be experienced. For directions on the proper evaluation of MasterRoc MF 504 admixture in specific backfill applications, contact your local Master Builders Solutions Technical Sales Representative.

Packaging

MasterRoc MF 504 is available in 1 000 litre pallecons.

Storage & Shelf Life

Keep away from heat. Store protected against freezing. Do not keep the container sealed. Formation of CO₂ and build-up of pressure possible.

MasterRoc MF 504 has a minimum shelf life of 12 months. Please contact your local Master Builders Solutions Technical Sales Representative regarding suitability for use and dosage recommendations if shelf life of MasterRoc MF 504 admixture has been exceeded.

Precautions

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the Safety Data Sheet (SDS) from our office or website.



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Disclaimer

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STATEMENT OF RESPONSIBILITY

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