MasterRoc® MF 101
High-performance accelerating admixture for backfill mixtures

Description
MasterRoc MF 101 ready-to-use, liquid admixture is designed to make more uniform and predictable quality backfill, while accelerating setting time and strength development.

Applications
Recommended for use in:
- Cemented rock fill
- Paste fill
- Hydraulic fill

Features
- Increased early and ultimate strengths
- Reduced water content required for a given workability
- Accelerated setting characteristics

Benefits
- Improved workability
- Faster backfill set times
- Quicker mine re-entry for increased excavation rates
- Can be introduced at plant or discharge point
- Easy to disperse in backfill mixing plants

Performance Characteristics
Strength: Concrete containing MasterRoc MF 101 admixture develops higher early and higher ultimate strengths than plain backfill.

Guidelines for Use
Dosage: This admixture is used within the range of 16-64 fl oz/cwt (1-4 L/100 kg) of cement for most backfill mixtures. Because of variations in backfill types, dosage rates other than the recommended amounts may be required. In such cases, contact your local sales representative.

As the dosage of MasterRoc MF 101 admixture increases up to 64 fl oz/cwt (4 L/100 kg) of cement, acceleration of setting time usually continues to increase. The larger dosage also increases early and ultimate strengths.

Product Notes
Corrosivity: This product contains intentionally-added calcium chloride. The admixture, due to chlorides originating from all the ingredients used in its manufacture, contributes less than 0.0210% chloride ions by mass of the cement when used at the rate of 1 fl oz/cwt (65 mL/100 kg) of cement.

Compatibility: MasterRoc MF 101 admixture may be used in combination with any BASF admixture. When used in conjunction with other admixtures, each admixture must be dispensed separately into the mixture.
Storage and Handling

**Storage Temperature:** MasterRoc MF 101 admixture should be stored above freezing temperatures. If MasterRoc MF 101 admixture freezes, thaw at 35 °F (2 °C) or above and completely reconstitute by mild mechanical agitation. **Do not use pressurized air for agitation.**

**Shelf Life:** MasterRoc MF 101 admixture has a minimum shelf life of 18 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local sales representative regarding suitability for use and dosage recommendations if the shelf life of MasterRoc MF 101 admixture has been exceeded.

Packaging

MasterRoc MF 101 admixture is supplied in 55 gal (208 L) drums, 275 gal (1040 L) totes and by bulk delivery.

Related Documents

Safety Data Sheets: MasterRoc MF 101 admixture

Additional Information

For additional information on MasterRoc MF 101 admixture or its use in developing a backfill with special performance characteristics, contact your local sales representative.

The Admixture Systems business of BASF’s Construction Chemicals division is the leading provider of solutions that improve placement, pumping, finishing, appearance and performance characteristics of specialty concrete used in the ready-mixed, precast, manufactured concrete products, underground construction and paving markets. For over 100 years we have offered reliable products and innovative technologies, and through the Master Builders Solutions brand, we are connected globally with experts from many fields to provide sustainable solutions for the construction industry.

Limited Warranty Notice

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