

PRODUCT DATA SHEET

Sika® Stabilizer-312 MBF

HYBRID POLYMER ADMIXTURE FOR MINE BACKFILL

DESCRIPTION

Sika® Stabilizer-312 MBF is a high-range superplasticizer and water reducing admixture used by the mining industry to improve the performance of cemented paste fills in underground backfill operations. Hybrid polymer admixture for improving cementitious mining backfill mixes with high performance in plasticizing, water-reducing and rheology enhancing properties.

USES

Sika® Stabilizer-312 MBF can be used in mining to:

- Enhance workability of the paste fill
- Reduce water and increase solid content of the cemented paste fill
- Improve rheological properties to facilitate mixing and pumping, and increase backfill throughput
- Reduce pumping and line pressure within the reticulation system
- Improve in-situ compressive strengths at the final stage
- Reduce costs by reducing binder content (cement, slag, fly ash)

FEATURES

- Fast reacting superplastizing admixture
- High water reduction, resulting in high density and high compressive strength
- Enhances early compressive strength of the backfill
- High plasticizing effect, resulting in improved flowability and placement
- Reduction of the cement content and associated CO₂ emissions
- Does not contain chlorides or any other ingredients which promote the corrosion of steel

PRODUCT INFORMATION

Composition	Aqueous solution of modified polycarboxylates, co-polymers
Packaging	1000 L flowbin. Bulk supply in tanker trucks possible on request
Appearance and colour	Brown liquid
Shelf life	12 months from date of production if stored properly
Storage conditions	This product must be stored in original, unopened and undamaged packaging in dry conditions as temperatures between +10 °C and +35 °C (50 °F and 95 °F). Always refer to packaging.
Density	~1.1 kg/l (+25 °C)

APPLICATION INFORMATION

Recommended dosage

The normal dosage range of the admixture is 200–800 ml/ton of total backfill (wet ton).

Dose rates outside the recommended may be used following trial mixes depending on the mix design, raw materials, climatic conditions and backfill requirements. Trial mixes must be performed to establish the exact dosage rate required.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Sika MB Construction Chemicals LLC
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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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