

PRODUCT DATA SHEET

Sika® Stabilizer-231 MBF

HYDRAULIC PUMPING AID REDUCING ADMIXTURE FOR MINE BACKFILL

DESCRIPTION

Sika® Stabilizer-231 MBF is used by the mining industry as a hydraulic pumping aid admixture for uncemented backfill applications.

USES

- For uncemented backfill / hydraulic fill operations
- Used as a hydraulic pumping aid, Sika® Stabilizer-231 MBF may be added with the normal amount of water to produce flowing hydraulic fill mixes
- Uncemented paste mixes containing large amounts of fine materials.
- Alternatively, it can be used to achieve a combination of these characteristics

CHARACTERISTICS / ADVANTAGES

- Increased freeze / thaw resistance.
- Reduced segregation and bleeding.
- Improved plasticity and workability.
- Increased resistance to scaling.
- Greatly improved stability.
- Ready to use – solution is at optimum strength for accurate dispensing.

Sika® Stabilizer-231 MBF is compatible with concrete containing other admixtures or admixture systems – water-reducers, high-range water reducers, accelerators, retarders, densifiers and water repellents. The use of Sika® Stabilizer-231 MBF enables production of stable, pumpable hydraulic fill mixes.

APPROVALS / STANDARDS

Conforms to the requirements of EN 934 - 2.

PRODUCT INFORMATION

Packaging	20 litre and 1000 litre IBC
Appearance / Colour	Clear to Yellowish Liquid
Shelf Life	12 months from date of production
Storage Conditions	Store properly in an undamaged and unopened original sealed containers, in dry conditions and at temperatures between +5°C and +30°C. Protect from direct sunlight and frost.
Density	0.990 kg/l
pH-Value	11.5 ±1

APPLICATION INFORMATION

Recommended Dosage	There is no standard dosage rate for Sika® Stabilizer-231 MBF admixture. The exact quantity needed should be determined by trial mixes.
Compatibility	Compatibility Sika® Stabilizer-231 MBF may be combined with many other Sika Products. Trials must be performed before combining products in a concrete mix.
Dispensing	Sika® Stabilizer-231 MBF is added to the gauging water at the plant or added on site into the concrete mixer. Allow enough time for the concrete to mix thoroughly. The standard rules of good concreting practice, concerning production and placing, are to be followed. Refer to relevant standards. Fresh concrete must be cured correctly.

BASIS OF PRODUCT DATA

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

USES

When using Sika® Stabilizer-231 MBF a suitable mix design must be selected and local material sources should be trialed.

If frozen and/or if precipitation has occurred, Sika® Stabilizer-231 MBF may only be used after thawing slowly at room temperature and intensive mixing. Sika® Stabilizer-231 MBF should not be added to dry cement.

Before pouring, suitability tests on the fresh concrete must be carried out.

Due to the extended workability, take special care that formwork is properly installed and secured.

ECOLOGY HEALTH AND SAFETY

Sika® Stabilizer-231 MBF is a caustic solution. In case of contact with skin, eyes or clothing, immediately flush the exposed area with water for at least 15 minutes.

Remove contaminated clothing and shoes. Call a doctor - especially if contact is with eyes. Wash clothing before re-use and discard shoes. Always keep the product out of the reach of children.

Please consult the Safety Data Sheet (SDS) for detailed information.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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Product Data Sheet
Sika® Stabilizer-231 MBF
March 2026, Version 01.01
021302011000246538

SikaStabilizer-231MBF-en-ZA-(03-2026)-1-1.pdf