

PRODUCT DATA SHEET

Sika® Stabilizer-230 MBF

SUPER-PLASTICIZING AND WATER REDUCING ADMIXTURE FOR MINE BACKFILL

DESCRIPTION

Sika® Stabilizer-230 MBF is used by the mining industry as a normal setting, high-range water reducing, super-plasticizing admixture for paste backfill applications. It meets the requirements for set retarding / superplasticizing admixtures according to EN 934-2: 2001.

USES

- For paste backfill operations - backfill and grout pack stabilization
- Used as a super-plasticizer, Sika® Stabilizer-230 MBF may be added with the normal amount of water to produce flowing hydraulic or paste backfill mixes
- When used as a water reducer, Sika® Stabilizer-230 MBF will reduce water requirements, increasing the compressive strength at all ages
- Alternatively, it can be used to achieve a combination of these characteristics

PRODUCT INFORMATION

Chemical Base	Aqueous solution of modified Polycarboxylate
Packaging	200 litre and 1000 litre IBC
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	1.105 kg/l
pH-Value	10 ±1

CHARACTERISTICS / ADVANTAGES

- Improved workability with no loss in strength
- Improved stability of the mix during transportation
- Higher strength may be achieved more economically through water reduction
- Higher, early and ultimate strength
- Reduce segregation
- Improve bleeding time
- Reduce blockages of pipelines
- Reduce drainage time and reduce filling cycles
- Reduce the cement and associated CO2 emissions
- Lower permeability and greater durability

APPROVALS / STANDARDS

Conforms to the requirements of EN 934 - 2.

APPLICATION INFORMATION

Recommended Dosage	0.4 – 1.5% by weight of cement.
Compatibility	Sika® Stabilizer-230 MBF may be combined with many other Sika Products. Trials must be performed before combining products in a concrete mix.
Dispensing	Sika® Stabilizer-230 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-230 MBF a suitable mix design must be selected and local material sources should be trialled.

If frozen and/or if precipitation has occurred, Sika® Stabilizer-230 MBF may only be used after thawing slowly at room temperature and intensive mixing. Sika® Stabilizer-230 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

Unmixed / mixed material must be disposed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the Material Safety Data Sheet.

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-230 MBF
March 2026, Version 01.01
021302011000246537

SikaStabilizer-230MBF-en-ZA-(03-2026)-1-1.pdf