



PRODUCT DATA SHEET

Sika® Stabilizer-511 MBF

SET-RETARDING AND WATER-REDUCING ADMIXTURE FOR MINE BACKFILL

PRODUCT DESCRIPTION

Sika® Stabilizer-511 MBF is a set-retarder used by the mining industry to extend the workability time, while at the same time fluidizing the cemented paste fills. This improves plastic properties, facilitating mining backfill operations

WHERE TO USE

- Sika® Stabilizer-511 MBF can be used in mining to :
- Extend the workability, pumpability and placing time, preventing premature stiffening of cemented paste fill
 - Reduce water and increase solid content

CHARACTERISTICS / ADVANTAGES

- Delay the initial setting time (retardation time determined by dosage)
- Reduce the risk of blockages in the paste lines
- Reduce water and increase solid content of the cemented paste fill
- Improve the workability of the paste filling, allowing long transport times
- Improve rheological properties during the continuous mixing, pumping, and filling process
- Reduce pumping and line pressure within the reticulation system
- Does not contain calcium chloride or any other intentionally added chlorides

PRODUCT INFORMATION

Packaging	205 L (54 US gal.) drum 1040L (275 US gal.) IBC Bulk delivery
Shelf Life	1 year when stored in dry warehouse conditions, at temperatures between +5 and 27°C (40 - 80°F).
Storage Conditions	Store protected from direct sunlight and at temperatures above +5°C (40°F). If frozen, thaw and agitate thoroughly to return to normal state.
Appearance / Colour	Light brown liquid
Density	Approx. 1.25

SYSTEMS

Compatibility	Sika® Stabilizer-511 MBF works effectively as a single admixture or in combination with other Sika® admixtures. Contact your Sika Canada Technical Sales Representative for further information.
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APPLICATION INFORMATION

Recommended Dosage

The dosage to be used should be estimated by preliminary laboratory testing. The recommended dosage will usually be between 0.5 and 2% by weight of the total cementitious content. It is suggested that an automated liquid admixture dispensing system adapted to the paste backfill mixing method be used. Start plant trials with a lower dosage than that estimated in the laboratory. If the performance and the system results are satisfactory, continue with this dosage. If performance is unsatisfactory, gradually increase the dosage while continuously monitoring the system until the desired performance is achieved. Do not use a higher dosage than the recommended without preliminary testing.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

ENVIRONMENT, HEALTH & 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.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Product Data Sheet

Sika® Stabilizer-511 MBF
October 2023, Version 01.01
021303011000000943

SikaStabilizer-511MBF-en-CA-(10-2023)-1-1.pdf

