



PRODUCT DATA SHEET

Sika® Stabilizer-513 MBF

RETARDING AND WATER-REDUCING ADMIXTURE FOR MINE BACKFILL

PRODUCT DESCRIPTION

Sika® Stabilizer-513 MBF acts as a set-retarder and provides some plasticizing effect, enhancing the rheological properties of the cement backfill material and facilitating mine backfill operations.

WHERE TO USE

- Sika® Stabilizer-513 MBF can be used in mining to :
- Extend the workability, pumpability and placing time
 - Prevent premature stiffening of cemented backfill material
 - Reduce water and increase solid content

CHARACTERISTICS / ADVANTAGES

- Delay the initial setting time (retardation time determined by dosage)
- Improve the workability of the backfill material, allowing longer transport times
- Improve rheological properties during the continuous mixing, pumping, and filling process
- Reduce pumping and line pressure within the reticulation system
- Reduce the risk of blockages in the lines
- 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.
Colour	Greenish liquid
Density	Approx. 1.2

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 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.

Compatibility

Sika® Stabilizer-513 MBF works effectively as a single admixture or in combination with other Sika® admixtures. Contact your Sika Canada Technical Sales Representative for further information.

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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