



PRODUCT DATA SHEET

Sika® Stabilizer-211 MBF

SUPER-PLASTICIZING AND WATER REDUCING ADMIXTURE FOR MINE BACKFILL

PRODUCT DESCRIPTION

Sika® Stabilizer-211 MBF is used by the mining industry as a normal setting, high-range water reducing, super-plasticizing admixture for hydraulic and paste backfill applications.

WHERE TO USE

- For hydraulic and paste backfill operations
- Used as a super-plasticizer, Sika® Stabilizer-211 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-211 MBF will reduce water requirements, increasing the compressive strength at all ages
- Alternatively, it can be used to achieve a combination of these characteristics

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

PRODUCT INFORMATION

Packaging	1040L IBC
Shelf Life	12 months from production date
Storage Conditions	This product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between 10 and 27 °C (50 and 80 °F). Always refer to packaging.
Colour	Dark brown liquid
Density	Approx. 1.2

SYSTEMS

Compatibility	Contact your Sika Canada Technical Sales Representative
---------------	---

APPLICATION INFORMATION

Recommended Dosage

The dosage to be used should be estimated by preliminary laboratory testing. The recommended dosage will usually be between 1 and 4% 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.

APPLICATION INSTRUCTIONS

MIXING

Should be dispensed separately from the other admixtures, preferably after all of the materials have been charged into the mixer.

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

Sika Canada Inc.

Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations

Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)

SikaStabilizer-211MBF-en-CA-(08-2023)-1-1.pdf

Product Data Sheet

Sika® Stabilizer-211 MBF
August 2023, Version 01.01
021303011000000946

