



PRODUCT DATA SHEET

Sika® Stabilizer-412 MBF

LIQUID-BASED VISCOSITY MODIFYING ADMIXTURE FOR HYRAULIC MINE BACKFILL

PRODUCT DESCRIPTION

Sika® Stabilizer-412 MBF is a ready-to-use viscosity modifying liquid admixture used by the mining industry to improve the performance of hydraulic fills in underground backfill operations. Sika® Stabilizer-412 MBF improves the homogeneity, stability and segregation resistance of hydraulic fill mixes. The product is suitable for mixes containing varying proportions of tailings and/or sands that may be manufactured and/or poorly graded.

WHERE TO USE

Sika® Stabilizer-412 MBF can be used in mining to:

- Improve resistance to segregation
- Improve stability of the mix during transportation
- Reduce blockages of pipelines
- Enhance workability of the hydraulic fill, allowing longer transportation along pipelines
- Reduce drainage time and reduce filling cycles
- Reduce the impact of water content fluctuations in the aggregates
- Improve cleaning of pipelines

CHARACTERISTICS / ADVANTAGES

- Improves overall mix cohesiveness and transportation
- High reduction of segregation
- Homogenous
- Longer workability time

PRODUCT INFORMATION

Packaging	1040L IBC
Shelf Life	6 months from production date
Storage Conditions	This product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between 5 and 27 °C (40 and 80 °F). Protect from frost and direct sunlight. Store above 5 °C (40 °F). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight Always refer to packaging.
Appearance / Colour	Liquid/Clear, Blue
Density	1,03 g/cm3

SYSTEMS



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 6% by weight of the total cementitious content. When the difference of the particle size distribution between the sands and/or tailing is larger, higher dosages might be needed. In case of overdosing, stiffness can occur. It is suggested that an automated liquid admixture dispensing system adapted to the hydraulic 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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