BUILDING TRUST

PRODUCT DATA SHEET

Sika® Stabilizer-901 MBF

HIGH-RANGE WATER REDUCING ADMIXURE FOR MINE BACKFILL

DESCRIPTION

Sika® Stabilizer-901 MBF is a high-range superplasticizer and water reducing admixture used by the mining industry to improve the performance of cemented paste fills in underground backfill operations. The product is well suited for a range of gold deposits (orogenic, quartz Lode stone, hosted gold) and polymetallic base metals deposits (volcanogenic massive sulfide).

USES

Sika® Stabilizer-901 MBF can be used in mining to :
▪ Enhance workability of the paste fill
▪ Reduce water and increase solid content of the cemented paste fill
▪ Improve Rheological properties to facilitate mixing and pumping, and increase backfill throughput
▪ Reduce pumping and line pressure within the reticulation system
▪ Improve in-situ compressive strengths at the final stage
▪ Reduce costs by reducing binder content (cement, slag, fly ash)

FEATURES

▪ Fast reacting super plasticizing admixture
▪ High water reduction, resulting in high density and high compressive strength
▪ High plasticizing effect, resulting in improved flowability and placement
▪ Reduction of the cement content and associated CO2 emissions
▪ Does not contain chlorides or any other ingredients which promote the corrosion of steel

PRODUCT INFORMATION

Packaging	1100kg IBC Refer to current price list for packaging variations
Appearance and colour	Colorless to yellowish liquid
Shelf life	12 months from production date
Storage conditions	This product must be stored in original, unopened and undamaged packaging in dry conditions as temperatures between +10 and +35ºC (50 and 95ºF). Always refer to packaging
Density	(~1.133 +/- 0.03) g/cm3 at 20 °C
pH-Value	~ 5.8 +/- 3

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. It is suggested than 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.
Compatibility	Contact your SIKA EGYPT Technical Sales Representative

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.

ECOLOGY, HEALTH AND 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

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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