

PRODUCT DATA SHEET

Sika® Stabilizer-320 MBF

High Range Water-reducing and Rheology-improving Admixture for Mine Backfill Operations

PRODUCT DESCRIPTION

Sika® Stabilizer-320 MBF is a high range water reducing admixture that improves the performance of cemented paste fills, high density fills, hydraulic fills or cemented rock fills in underground cut and fill or longhole stoping and backfill operations. The product shows excellent performance for pastes derived from epithermal, polymetallic deposits.

USES

Sika® Stabilizer-320 MBF can be used to:

- Optimize the cost performance of the paste fill mix by reducing binder content (cement, slag, fly ash).
- Improve the rheological properties of the cemented paste fill during the continuous mixing, pumping and paste fill process.
- Enhance workability of the paste fill, allowing long transportation along paste lines at significantly lower water contents.
- Reduce pumping pressure in the piston pumps.
- Reduce the risk of blockages in the paste lines.
- Improve in-situ strengths at both, early and final stage.
- Reduce wear and tear of machinery, equipment and paste lines.
- Reduce segregation and bleeding of the placed paste fill.
- Reduce shrinkage in the placed and cured fill.

PRODUCT INFORMATION

Packaging	Sika® Stabilizer-320 MBF is available in 55 gallon drums (208 liters), 275 gallon (1040 liter) totes and bulk tanker.
Appearance / Color	Clear Yellowish Liquid
Shelf Life	Shelf life when stored in dry warehouse conditions between 40 °F and 80 °F

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(5–27 °C) is 6 months. Protect from frost and direct sunlight.

Storage Conditions	Sika® Stabilizer-320 MBF should be stored above 40 °F (5 °C). If frozen, thaw and agitate thoroughly to return to normal state.
Specific Gravity	Approx. 1.115

APPLICATION INFORMATION

Recommended Dosage	1.0 to 3.0 % by weight of cement (bwoc). The amount of Sika® Stabilizer-320 MBF needed may be influenced by the total binder content of the mix, the particle size distribution of the paste as well as the mineralogical composition of the backfilled material. Sika recommends carrying out initial tests on site or at the laboratory with different dosages in order to identify the most adequate slump, water and binder ratio as well as workability time of the paste mix. Support by Sika technical service is recommended. This product is compatible with other Sika® Stabilizer MBF products. Information on compatibility to other products is available on request. In case of any combination it is recommended to carry out initial tests and/or to contact previously Sika technical service in order to define the optimum application form and for optimization of the admixtures.
Mixing	It is recommended to add Sika® Stabilizer-320 MBF with the process water into the continuous mixer or directly into the wetted out mix. Mixing time may depend on the size of the mixer and the composition of the paste mix. Do not dispense the Sika® Stabilizer-320 MBF directly on dry binder. Relevant norms related to the fabrication and application of concrete/paste and mortar should be followed. Curing time of the cemented paste can be influenced by the increase of temperature.

BASIS OF PRODUCT DATA

at 1-800-424-9300, International 703-527-3887.

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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