

## PRODUCT DATA SHEET

# SikaMix® BF3

### High-Strength Plasticizer for Concrete Blocks and Pavers

#### PRODUCT DESCRIPTION

SikaMix® BF3 is a specially formulated admixture designed to increase strength and shorten curing time for concrete blocks and pavers. SikaMix® BF3 is a ready-to-use liquid admixture that produces a plasticizing effect by reducing the surface tension of the mixing water, allowing quicker wetting and more complete dispersion of the cement particles.

#### USES

SikaMix® BF3 is recommended for light-weight, medium-weight, and normal weight block, where zero or low slump concrete is required. SikaMix® BF3 is also recommended for concrete pipes, pavers, retaining wall units and other manufactured concrete products.

#### CHARACTERISTICS / ADVANTAGES

- SikaMix® BF3 provides superior strength gain and faster curing at all ages.
- In most cases, a reduction in cement or higher cement replacement is possible when SikaMix® BF3 is used in the concrete block or paver mix.
- SikaMix® BF3 will produce a block that has a more uniform texture and color.
- Concrete containing SikaMix® BF3 reduces wear and tear on mold-box liners and machine parts, while enabling a faster cycling time of the molding machine.
- Concrete block containing SikaMix® BF3 will have sharper and more defined edges and corners, with less chipping.
- SikaMix® BF3 increases the density of block and pavers, thus increasing durability and lowering the rate of absorption.

#### PRODUCT INFORMATION

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|---------------------------|---|
| <b>Packaging</b>          | SikaMix® BF3 is available in 55 gallon drums (208 liter), 275 gallon totes (1040 liters) and bulk delivery.   |
| <b>Appearance / Color</b> | Clear to yellow liquid  |
| <b>Shelf Life</b>         | Shelf life when stored in dry warehouse conditions between 50 °F and 80 °F (10–27 °C) is one year from the date of manufacture.                                     |
| <b>Storage Conditions</b> | SikaMix® BF3 should be kept from freezing. If accidentally frozen, its properties can be restored by thawing and thoroughly re-mixing by mild mechanical agitation. |
| <b>Specific Gravity</b>   | Approx. 1.02  |

## APPLICATION INFORMATION

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### Recommended Dosage

The recommended dosage range for SikaMix® BF3 is 2.0 to 8.0 ounces per 100 lbs. (130 to 520 ml/100 kg) of cementitious material. It is suggested that trial mixes be conducted in order to determine the required dosage for optimum performance with actual concrete components. Various concrete materials, slump, ambient air temperature, additions of pozzolanic materials, mixing time, and type and brand of cement will affect dosage rates. Dosage rates outside the recommended range may be used where specialized materials are used, extreme ambient conditions are encountered or unusual project conditions require special consideration. In this case please contact your local regional Sika office or Sika Technical Service Department at 1-800-933-7452 for further information.

### Mixing

SikaMix® BF3 should be added to the concrete mix with the initial mixing water, before the cement and allow for thorough mixing. Do not mix with dry cement.

**Combination with other Admixtures:** SikaMix® BF3 is compatible with other Sika admixtures. SikaMix® BF3 is highly effective as a single admixture or in combination with other admixtures. When used in combination with other admixtures, dispense each admixture separately into the concrete. Please contact your local regional office or Technical Service Department at 1-800-933-7452 for further information.

**Combination with Pozzolanic Materials:** SikaMix® BF3 can be successfully used in mix designs utilizing pozzolanic materials such as fly ash and GGBFS.

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## 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](http://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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### Product Data Sheet

SikaMix® BF3  
November 2018, Version 01.02  
02140406100000077

SikaMixBF3-en-US-(11-2018)-1-2.pdf

