

PRODUCT DATA SHEET

SikaMix® AE-3

Efflorescence Reducing and Water Repelling Admixture

PRODUCT DESCRIPTION

SikaMix® AE-3 is a high performance efflorescence reducing and water repelling admixture for various concrete applications. SikaMix® AE-3 is formulated to meet ASTM E514 Standard Test Method for Water Penetration and Leakage Through Masonry.

USES

SikaMix® AE-3 is a high efficiency concrete admixture that can be used for efflorescence reduction, absorption control and water repellency.

Typical applications are:

- **Dry and Semi drycast applications:** Concrete masonry units, Pavers, SRW's
- **Wetcast applications:** Stone veneer, Architectural precast
- **Aesthetics:** Use of SikaMix® AE-3 may improve color brightness

CHARACTERISTICS / ADVANTAGES

SikaMix® AE-3 is suitable for the production of drycast and wetcast concrete.

Use of SikaMix® AE-3 results in:

- Improved water repellency
- Reduced efflorescence
- Increased durability
- Improved aesthetics (brighter colors)
- Improved production rates

PRODUCT INFORMATION

Packaging	SikaMix® AE-3 is available in 51 gallon drums (193 liters), 256 gallon totes (969 liters) and bulk delivery.
Appearance / Color	White Liquid
Shelf Life	Shelf life when stored in dry warehouse conditions between 50 °F and 70 °F (10–21 °C) is 6 months.
Storage Conditions	SikaMix® AE-3 should be stored between 50 °F and 70 °F (10–21 °C). If the product separates or settles during this period, reconstitute the product to normal state by agitation. If frozen, admixture cannot be reconstituted and must be discarded accordingly to local laws.
Specific gravity	0.92 - 0.98

APPLICATION INFORMATION

Recommended Dosage

Dosage rate will vary according to targeted application. Normally a dosage range of 1.5 to 3 fl. oz / 100. lbs of cementitious material should be sufficient for efflorescence and absorption control. If water repellency is required dosage may be increased to 2 to 5 fl. oz / 100 lbs. of cementitious material. Actual dosage rate will vary based upon mix design. Proper dosage should be always verified by trial batch to ensure desired performance is achieved.

Dosages outside the recommended range may be used for special requirements and applications, for further detail please contact your local regional office or the Technical Service Department at 1-800-933-7452.

Mixing

As SikaMix® AE-3 is a low dosed admixture and the majority of applications will have a very low water cement ratio, it is necessary to provide sufficient mixing time to allow the admixture to be distributed throughout the entire batch and provide uniform performance.

In general, a total mixing time of at least 90 seconds is essential. Mixing time after adding the admixture depends on the individual circumstances and should be determined by trials.

SikaMix® AE-3 can be added with the batching water or introduced at the end of the mixing process.

Do not introduce SikaMix® AE-3 up front, or directly onto dry cementitious materials, as this may reduce admixture performance.

BASIS OF PRODUCT DATA

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

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.

Sika Corporation

201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Mexicana S.A. de C.V.

Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



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