

## PRODUCT DATA SHEET

# SikaMix® AE-3

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### INTEGRAL WATER REPELLING AND EFFLORESCENCE REDUCING ADMIXTURE

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#### PRODUCT DESCRIPTION

SikaMix® AE-3 is a high performance integral water repelling and efflorescence reducing admixture for various concrete applications. SikaMix® AE-3 has been used to meet the requirement of ASTM E514, "Standard Test Method for Water Penetration and Leakage Through Masonry."

#### USES

SikaMix® AE-3 is an integral water repelling concrete admixture that can be used in drycast, wetcast and ready-mix concrete applications, and is effective in concrete containing Portland Limestone Cement (PLC/Type IL) and supplementary cementitious materials.

#### CHARACTERISTICS / ADVANTAGES

Use of SikaMix® AE-3 results in:

- Improved integral water repellency throughout the concrete structure,
- Reduced efflorescence and improved appearance, uniformity and color vibrancy,
- Reduced water absorption and chloride penetration,
- Increased overall concrete durability and extended service life.

In ready-mix applications, SikaMix® AE-3 can be used as an alternative to post-applied sealers.

SikaMix® AE-3 does not contain intentionally added chlorides.

#### ENVIRONMENTAL INFORMATION

A manufacturer inventory is available for SikaMix® AE-3.

For further information, please visit:  
<https://usa.sika.com/en/sustainability.html>

## PRODUCT INFORMATION

<b>Packaging</b>	Available in 51-gallon (193-liter) drums and 256-gallon (969-liter) totes.
<b>Appearance / Color</b>	White Liquid
<b>Shelf Life</b>	Shelf life when stored in original packaging in dry warehouse conditions between 50°F and 70°F (10-21°C) is one year from the date of manufacture.
<b>Storage Conditions</b>	SikaMix® AE-3 should be stored between 50°F and 70°F (10-21°C). If the product separates or settles, reconstitute the product to normal state by agitation. Regular recirculation may be used to mitigate the potential to separate. If frozen, admixture cannot be reconstituted and must be discarded accordingly to local laws. Protect from direct sunlight.
<b>Specific gravity</b>	Approx. 0.950
<b>Specific Advice</b>	▪ Gaskets and hosing on dispensers should be oil compatible.

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	<p>Dosage rates will vary according to the targeted application. For efflorescence and absorption control the typical dosage rate of SikaMix® AE-3 will vary between 1.5-3 fl oz / 100 lb. (98-195 mL / 100 kg) of cement or cementitious materials. For water repellency the typical dosage rate of SikaMix® AE-3 will vary between 2-5 fl oz / 100 lb. (130-325 mL / 100 kg) of cement or cementitious materials. Various factors will affect the dosage rates.</p> <p>Trial mixes with the actual materials should be conducted to determine the required dosage for optimum performance.</p> <p>To the extent specialized materials are used, extreme ambient temperatures are encountered, or for other unusual project conditions, dosage rates outside the typical range may be required. For dosage rates outside the typical range, please contact your local Sika representative or the Sika Technical Services Department at 1-800-933-7452.</p>
<b>Mixing</b>	<p>Measure the required quantity manually or by automated dispenser. Add SikaMix® AE-3 with the batching water or at the end of the mixing process. Do NOT mix SikaMix® AE-3 up front or directly with dry cementitious materials. As SikaMix® AE-3 is a low dosed admixture and many applications will have a low water-cement ratio, it is necessary to provide sufficient mixing time to distribute the admixture throughout the entire batch to provide uniform performance. Typically, at least 90 seconds of total mixing time after addition of SikaMix® AE-3 is necessary. The actual time depends on individual circumstances and should be determined by trials. When used in combination with other admixtures dispense each admixture separately into the mix.</p> <p><b>Compatibility:</b> SikaMix® AE-3 can be used in combination with other Sika admixtures and can be successfully used in mix designs utilizing supplementary cementitious materials.</p>

## 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.

## 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](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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