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:

- **Drycast applications**: Architectural blocks, Concrete masonry units, Paving stones, SRW’s, Concrete roof tile
- **Ready mix concrete**: Concrete driveways
- **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. |
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

Product Data Sheet
SikaMix® AE-3
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