

PRODUCT DATA SHEET

SikaMix AE-6

Water Repelling and Efflorescence Reducing Admixture

PRODUCT DESCRIPTION

SikaMix AE-6 is a high performance water repelling and efflorescence reducing admixture for various concrete applications. SikaMix AE-6 is formulated to meet ASTM E514 "Standard Test Method for Water Penetration and Leakage Through Masonry."

USES

SikaMix AE-6 is a high efficiency concrete admixture that can be used for improved water repellency, efflorescence reduction and absorption control.

Typical applications are:

- **Drycast applications:** Architectural blocks, Concrete masonry units, Paving stones, SRW's, Concrete roof tile
- **Ready mix concrete:** Concrete driveways
- **Wet cast applications:** Stone veneer, Architectural precast
- **Aesthetics:** Use of SikaMix AE-6 may improve color brightness.

CHARACTERISTICS / ADVANTAGES

SikaMix AE-6 is suitable for the production of drycast and wet cast concrete.

Use of SikaMix AE-6 results in:

- Improved water repellency.
- Reduced efflorescence.
- Improved color vibrancy and pigment efficiency.
- Increased durability.
- Improved production rates.
- Improved admixture dispersion in concrete matrix.

PRODUCT INFORMATION

Packaging	SikaMix AE-6 is available in 55 gallon drums (208 liters), 275 gallon totes (1040 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-6 should be stored between 50–70 °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 3.5 to 8 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 5 to 10 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-6 is a low dosed admixture and since the majority of drycast concrete will have a very low water cement ratio/moisture content, 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.

When added to ready mix concrete truck, ensure sufficient mixing time for uniform admixture distribution throughout the concrete.

SikaMix AE-6 can be added with the batching water or introduced at the end of the mixing process.

Do not introduce SikaMix AE-6 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.**

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