



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.

WHERE TO USE

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

Typical applications include:

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 colour brightness

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / CERTIFICATES

SikaMix AE-6 meets the requirements of ASTM E514 - Standard Test Method for Water Penetration and Leakage Through Masonry.

PRODUCT INFORMATION

CSC MasterFormat®	03 05 00
Packaging	208 L (55 US gal.) drum 1040 L (275 US gal.) IBC Bulk
Appearance / Colour	White Liquid
Shelf Life	6 months when stored in dry warehouse conditions, at temperatures between 10 and 21 °C (50 and 70 °F).
Storage Conditions	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 225 to 520 mL/100 kg (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 325 to 650 mL/100 kg (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. Contact your Sika Canada Technical Sales Representative for further information.

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

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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