

# PRODUCT DATA SHEET

## SikaMix® W-10

### WATER REPELLING AND EFFLORESCENCE CONTROLLING ADMIXTURE

#### PRODUCT DESCRIPTION

SikaMix® W-10 is a non-chloride and non-corrosive liquid integral water-repelling admixture for use in concrete masonry units, where zero or very low slump concrete is required. SikaMix® W-10 is formulated to meet ASTM E 514 Standard test for Water Penetration and Leakage Through Masonry. SikaMix® W-10 contains water repellent additives that chemically react with cement, filling the pores of the concrete unit with water insoluble compound and wetting agents, creating a plasticizing effect that densifies the concrete structure. This reduces water absorption capability of the capillary pores and minimizes migration of the water to the surface from within.

#### USES

Unlike surface applications, SikaMix® W-10 provides water repellency through the entire thickness of the unit while it reduces efflorescence, maintains color intensity and provides dirt, stain mold and mildew resistance. SikaMix® W-10 can be successfully used where medium and lightweight concrete is required.

In addition SikaMix® W-10 improves compaction and densifies the concrete structure, producing a unit with higher compressive strengths, lower absorption, sharper corners and edges, less shrinkage and better overall appearance. SikaMix® W-10 is also suitable for wetcast applications, as well as in mortar, where water repellency is required.

#### CHARACTERISTICS / ADVANTAGES

- Increases water repellency
- Reduces water absorption
- Controls efflorescence
- Improves color intensity
- Densifies concrete
- Increases compressive strength
- Reduces shrinkage
- Improves appearance and production speed
- Provides mold and stain resistance

## PRODUCT INFORMATION

<b>Packaging</b>	SikaMix® W-10 is available in 55 gallon drums (208 liter), 275 gallon totes (1040 liters).
<b>Appearance / Color</b>	Milky White Liquid
<b>Shelf Life</b>	Shelf life when stored in dry warehouse conditions between 45 °F and 80 °F (7–27 °C) is 1 year.
<b>Storage Conditions</b>	SikaMix® W-10 should be stored at above 45 °F (7 °C). If frozen, thaw and agitate thoroughly to return to normal state.
<b>Specific Gravity</b>	Approx. 1.02

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	<p><b>Drycast Applications:</b> Recommended dosage rate of SikaMix® W-10 in drycast and semi-dry concrete applications for improved water repellency and efflorescence control is 4–10 fl.oz. per 100 lbs. (260–650 ml/100 kg) of cementitious material.</p> <p>If maximum water repellency is required, dosage may be increased up to 16–32 fl.oz. per 100 lbs. (1040–3120 ml/100 kg) of cementitious material. Prior testing is recommended to determine the most effective dosage rate.</p> <p><b>Mortar Applications:</b> Refer to the technical data sheet for SikaMix® W-10.</p> <p><b>Wetcast Applications:</b> Recommended dosage rate is 4–8 fl.oz per 100 lbs. (260–520 ml/100 kg) of cementitious material. The use of SikaMix® W-10 at the higher end of the dosage range may results in lower compressive strength and potential set retardation. For production of air entrained concrete, higher dosages of air entrainment admixtures will be required when using SikaMix® W-10. Prior testing is recommended to determine adequate fresh and hardened concrete properties when using SikaMix® W-10.</p> <p>Dosages outside the recommended range may be used for special requirements and applications, for further detail please contact your local regional office or Technical Service Department at 1-800-933-7452 for further information.</p>
<b>Mixing</b>	Do not introduce admixture onto dry cementitious materials. Timing for dosage will vary with equipment and mixing procedure.

## 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.

rent actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## 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 cur-

## 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 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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