



## PRODUCT DATA SHEET

# SikaMix® PL-100

### Drycast Admixture

#### PRODUCT DESCRIPTION

SikaMix® PL-100 is a blend of surfactants and water reducing polymers in an aqueous solution used in the manufacture of drycast concrete products. When added into the concrete mix it acts as a manufacturing aid to speed production and enhance product appearance and strength. SikaMix® PL-100 contains no calcium chloride or any other intentionally added chloride containing ingredients. It will not initiate or promote the corrosion of steel in contact with the concrete.

#### USES

SikaMix® PL-100 is recommended for use in all production sizes of concrete block and pipe manufactured by drycast or packer-head methods.

#### CHARACTERISTICS / ADVANTAGES

SikaMix® PL-100 is an integral concrete densifying admixture that acts as a cement dispersant and reduces the use of water. Some of its benefits are:

- Machine productivity will be increased by more rapid filling of form and mold boxes.
- The internal lubricating properties of SikaMix® PL-100 reduce the wear on machinery and extend machine life.
- Provides a better form swipe on drycast products.
- Lighter colors will maintain a more uniform, consistent shade and general product appearance will be improved.
- Edges on pipe and block will be sharper, more defined and less likely to chip.
- Improves early and final strength of concrete.
- Improves compactability.
- Reduces breakage and culls.
- Extends life of molds and machine parts.
- Enables the use of pozzolans as a cement replacement while providing similar strengths and workability.
- Reduces the need for higher curing temperatures while maintaining early strengths.

**Compatibility with Cement and Admixtures:** SikaMix® PL-100 is compatible with most admixtures manufactured to ASTM Specifications and most pozzolans.

#### PRODUCT INFORMATION

<b>Packaging</b>	SikaMix® PL-100 is available in 55 gallon drums (208 liter), 275 gallon totes (1040 liters) and bulk delivery.
<b>Appearance / Color</b>	Clear Liquid
<b>Shelf Life</b>	Shelf life when stored in dry warehouse conditions between 50 °F and 80 °F

(10–27 °C) is one year.

---

**Storage Conditions**

SikaMix® PL-100 is an aqueous suspension. If settling occurs, the material may be restored to its original condition by agitating thoroughly. The material should be protected from freezing and stored above 40 °F (5 °C). If frozen, thaw and agitate thoroughly before use.

---

**Specific Gravity**

Approx. 1.02

---

## APPLICATION INFORMATION

---

**Recommended Dosage**

SikaMix® PL-100 is recommended for use at a dosage rate of 2-6 fl. oz. per 100 lbs. (130-390 ml/100 kg) of cement. SikaMix® PL-100 is not recommended for use in the manufacture of high-slump or wet-cast concrete pipe. For more information please contact your local regional office or technical service department at 1-800-933-7452.

---

**Mixing**

Add the correct amount of SikaMix® PL-100 at the batch plant. Add manually or by automated dispenser into the water line. Do not mix with dry cement.

---

## 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](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.

**Sika Corporation**

201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: +1-800-933-7452  
Fax: +1-201-933-6225  
[usa.sika.com](http://usa.sika.com)

**Sika Mexicana S.A. de C.V.**

Carretera Libre Celaya Km. 8.5  
Fracc. Industrial Balvanera  
Corregidora, Queretaro  
C.P. 76920  
Phone: 52 442 2385800  
Fax: 52 442 2250537



**Product Data Sheet**

SikaMix® PL-100  
November 2018, Version 01.02  
021303011000000166

SikaMixPL-100-en-US-(11-2018)-1-2.pdf

