



PRODUCT DATA SHEET

SikaMix® PL-100

PLASTICIZER AND COMPACTING-AID FOR DRY-CAST CONCRETE

PRODUCT DESCRIPTION

SikaMix® PL-100 is a blend of surfactants and water reducing polymers in an aqueous solution used in the manufacture of dry-cast 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 does not contain 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.

WHERE TO USE

SikaMix® PL-100 is recommended for use in all production sizes of concrete block and pipe manufactured by dry-cast 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 colours 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

CSC MasterFormat®	03 05 00
Packaging	208 L (55 US gal.) drum, 1040 L IBC (275 US gal.), bulk delivery
Appearance / Colour	Brown yellowish liquid
Shelf Life	1 year in original, unopened packaging
Storage Conditions	Store dry, above 5 °C (40 °F). Condition product at temperatures between 10 °C and 27 °C (50 °F and 80 °F). The material should be protected from

freezing. If frozen, thaw and agitate thoroughly before use. SikaMix® PL-100 is an aqueous suspension. If settling occurs, the material may be restored to its original condition by agitating thoroughly.

Specific Gravity	Approx. 1.01
-------------------------	--------------

APPLICATION INFORMATION

Recommended Dosage	SikaMix® PL-100 is recommended for use at a dosage rate of 130-390 mL/100 kg (2-6 fl. oz. per 100 lb) of cement. Note: SikaMix® PL-100 is not recommended for use in the manufacture of high-slump concrete or wet-cast concrete products. Contact your Sika Canada Technical Sales Representative for further information.
---------------------------	---

Mixing	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

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.

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.

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.

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

Sika Canada Inc.
Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations
Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)

Product Data Sheet
SikaMix® PL-100
May 2022, Version 01.01
021303011000000166

SikaMixPL-100-en-CA-(05-2022)-1-1.pdf

