

Product Data Sheet

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Sikamix PL-90

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Compacting-Aid for Dry-cast Concrete

Description Sikamix PL-90 is a blend of surfactants in an aqueous solution used in the manufacturing of dry-cast concrete products.

Where to Use Sikamix PL-90 is recommended for use in all production sizes of concrete block and pipe manufactured by dry-cast or packer-head methods.

Advantages Sikamix PL-90 is an integral concrete densifying admixture that acts as a cement dispersant and enhances the unit water content.

- Machine productivity will be increased by more rapid filling of form and mold boxes.
- The internal lubricating properties of Sikamix PL-90 reduce the wear on machinery and extend machine life.
- Moisture absorption rates will be reduced.
- 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.

Sikamix PL-90 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.

Typical Data**Packaging**

208 L (55 US gal.) drums

1040 L (275 US gal.) IBC

Bulk delivery

Colour and Form

Clear liquid

Shelf Life and Storage

1 year in original, unopened packaging store dry between 10° - 27°C (50° - 40°F). If frozen, thaw and agitate thoroughly and return to normal state before use.

Sikamix PL-90 is an aqueous suspension. If settling occurs, the material may be restored to its original condition by agitating thoroughly.

Properties**Specific Gravity**

Approx. 1.0

How to Use**Dosage**

Sikamix PL-90 is recommended for use at a dosage rate of 130 - 390 mL/100 kg of cement.

Note: Sikamix PL-90 is not recommended for use in the manufacturing of high-slump concrete or wet-cast concrete products. Contact your Sika Canada Technical Sales Representative for further information.

Mixing

Sikamix PL-90 is used at the batch plant. It should be incorporated manually or by automated dispenser into the water line. Do not mix with dry cement.

Compatibility with cement and admixtures: Sikamix PL-90 is compatible with all cements manufactured to ASTM Specifications and with most silica fume and fly ash.

Clean Up

Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.



Construction

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the **most recent Material Safety Data Sheet** containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

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, within their shelf life. 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under www.sika.ca.



Sika Canada Inc.
Head Office
601 Delmar Avenue
Pointe-Claire, Quebec
H9R 4A9

Other locations
Toronto
Edmonton
Vancouver

1-800-933-SIKA
www.sika.ca

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