

Sikamix W-10

Water Repelling and Efflorescence Controlling Admixture

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 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.

Where to Use

- 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 applied 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.

Advantages

- Increase 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.

Standards Sikamix W-10 is formulated to meet ASTM E514 Standard test for Water Penetration and Leakage Through Masonry.

Typical Data	
Packaging	18,9 L (5 US gal.) pail 208 L drum (55 US gal.) 1040 L (275 US gal.) IBC container
Colour and Form	Milky White
Shelf Life and Storage	1 year when stored in dry warehouse conditions between 7 - 27°C (45 - 80°F). Store at above 7°C (45°F). If frozen, thaw and agitate thoroughly to return to normal state.
Properties	
Specific Gravity	Approx. 1.1

How to Use

Dosage **Dry Cast Applications:** Recommended dosage rate of Sikamix W-10 in dry cast and semi-dry concrete applications for improved water repellency and efflorescence control is 260 - 650 mL/100 kg of cementitious material. If maximum water repellency is required, dosage may be increased up to 1040 - 3120 mL/100 kg of cementitious material. Prior testing is recommended to determine the most effective dosage rate.

Mortar Applications: Recommended dosage rate is 390 - 1170 mL/100 kg of cementitious material. The use of Sikamix W-10 at the higher end of the dosage range may result in lower compressive strength and potential set retardation.



Construction

Wet Cast Applications: Recommended dosage rate is 260 - 520 mL/100 kg of cementitious material. The use of Sikamix W-10 at the higher end of the dosage range may result 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.

Dosages outside the recommended range may be used for special requirements and applications. Please contact your Sika Canada Technical Sales Representative for further information.

Mixing	Do not introduce admixture onto dry cementitious materials. Timing for dosage will vary with equipment and mixing procedure.
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.
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.



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