

SikaPlast-200

Mid-Range Water Reducing Admixture

Description SikaPlast-200 is a mid-range water-reducing admixture specifically formulated to enhance the finishability and workability of concrete. SikaPlast-200 provides normal concrete setting characteristics throughout its recommended dosage range. SikaPlast-200 meets the requirements of ASTM C 494, Type A and G.

Applications SikaPlast-200 can be used in all types of concrete including plain, reinforced, extruded, precast and prestressed concretes. SikaPlast-200 is especially effective in concrete containing such pozzolanic materials as fly ash, silica fume and slag. SikaPlast-200 is a non-chloride based admixture.

- Advantages**
- Increased workability and easier placeability.
 - Improved finishing characteristics.
 - Mid-range water-reducing characteristics.
 - Easier and faster pumping of concrete.
 - Reduced shrinkage and cracking.
 - Reduced permeability.
 - Increased concrete durability and uniformity.
 - Improved appearance of architectural concrete.
 - Increased strength at all ages.

How to Use

Dosage

The recommended dosage range for SikaPlast-200 is 3.0 to 12.0 ounces per 100 lbs. (195 to 780 ml per 100kg) of cementitious material as an ASTM C 494, Type A admixture. Normal setting characteristics are maintained at the higher dosages in the recommended Type A dosage range while enhancing the early and ultimate compressive strengths.

The recommended dosage range for SikaPlast-200 is 12.0 to 24.0 ounces per 100 lbs. (780 to 1560 ml per 100kg) of cementitious material as an ASTM C 494, Type G admixture.

When using SikaPlast-200 as a Type G admixture, the introduction of fly ash will enhance the retarding effect on the setting properties. Dosage rates vary depending upon the amount of plasticity and/or water reduction desired. Various concrete materials, slump, ambient air temperature, additions of pozzolanic materials, mixing time, and type and brand of cement will affect dosage rates. It is recommended that trial mixes be conducted in order to determine the required dosage for optimum performance with your concrete components. Consult your local Sika representative or Sika Technical Services Department at 1-800-933-7452 for dosage recommendations.

Mixing

For best results, SikaPlast-200 should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle. SikaPlast-200 may also be dispensed as an integral material during the regular admixture batching cycle or into freshly mixed concrete in a Ready-Mix truck at the concrete plant or job site. To optimize the superplasticizing effect, Sika recommends that the combined materials be mixed for 80-100 revolutions, either in the concrete mixer or in the Ready-Mix truck.

Combination with other Admixtures: SikaPlast-200 is highly effective as a single admixture or in combination with other Sika admixtures. If more than one admixture is used, the admixtures must be added separately to the concrete mix. Please contact your local regional office or Technical Service Department at 1-800-933-7452 for further information.

Combination with Pozzolanic Materials: SikaPlast-200 can be successfully used in mix designs utilizing pozzolanic materials such as fly ash and GGBFS.

Packaging	SikaPlast-200 is available in 55 gallon drum (208 liter), 275 gallon totes(1040 liters) drums and bulk delivery.
Storage and Shelf Life	SikaPlast-200 should be kept above 35°F (2°C). If accidentally frozen, its properties can be restored by thawing and thoroughly re-mixing by mild mechanical agitation. Shelf life when stored in dry warehouse conditions between 40°F and 80°F(5°C - 27°C) is 1 year from the date of manufacture.
Typical Data	
Appearance	Dark Brown Aqueous Solution.
Specific Gravity	Approx. 1.30
Caution:	CAUTION: IRRITANT. May cause eye/skin/respiratory tract irritation. May cause gastrointestinal disturbance.
Handling and Storage	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse.
First Aid	Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation – Remove to fresh air. Ingestion – Do not induce vomiting. Dilute with water. Contact physician. In all cases contact a physician immediately if symptoms persist.
Clean Up	Use personal protective equipment (chemical resistant gloves/ goggles/clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY

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Quality Certification Numbers: Lyndhurst: FM 69711 (ISO 9000), FM 70421 (QS 9000), Marion: FM 69715, Kansas City: FM 69107, Santa Fe Springs: FM 69408

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