



PRODUCT DATA SHEET

SikaPlast®-200

MID-RANGE WATER-REDUCING ADMIXTURE FOR CONCRETE

PRODUCT DESCRIPTION

SikaPlast®-200 is a mid-range water-reducing admixture specifically formulated to enhance the finishability and workability of concrete. SikaPlast®-200 meets the requirements of ASTM C494, Type A and Type G.

WHERE TO USE

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.

CHARACTERISTICS / ADVANTAGES

- Increased workability and easier placeability
- Dramatically improved finishing characteristics for flatwork

- Mid-range water-reducing characteristics
- Easier and faster pumping of concrete
- Reduced shrinkage and cracking
- Reduces segregation at a given slump
- Reduced permeability
- Increased concrete durability and uniformity
- Improved appearance of architectural concrete
- Increased strength at all ages

ENVIRONMENTAL INFORMATION

- Conformity with LEED®v4 MR Credit (Option 1): Building Product Disclosure and Optimization – Environmental Product Declarations

APPROVALS / CERTIFICATES

SikaPlast®-200 meets or exceeds the requirements of ASTM C494, Types A and G.

PRODUCT INFORMATION

CSC MasterFormat®	03 05 00
Packaging	205 L (54 US gal.) drum 1040 L (275 US gal.) IBC Bulk delivery
Appearance / Colour	Dark brown liquid
Shelf Life	1 year when stored in dry warehouse conditions at temperatures between 5 °C and 27 °C (40 °F and 80 °F).
Storage Conditions	Store at above 5°C (40°F). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.
Specific Gravity	Approx 1.2

APPLICATION INFORMATION

Recommended Dosage

The typical dosage range for SikaPlast®-200 is 195-980 mL per 100 kg (3-15 fl. oz/100 lb) of cementitious material.

At a low and moderate dosage rate, SikaPlast®-200 acts as a Type A, water-reducing admixture. At a higher dosage rate, it acts as a Type G, high range water-reducing and retarding admixture. Dosage rates vary depending upon the amount of plasticity and/or water reduction desired. Slump, ambient temperature, water-cementitious ratio, mixing time and various concrete materials, such as type of cement and supplementary cementitious materials, will affect dosage rates. It is recommended to conduct trial mixes with the actual materials to determine the required dosage for optimum performance. To the extent specialized materials (such as microsilica) are specified, extreme ambient project conditions are encountered, or other unusual project conditions require special consideration outside the recommended dosage, contact your Sika Canada Technical Sales Representative for further information.

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. Contact your local Sales Representative 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.

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.

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.

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.

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

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Product Data Sheet

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