



PRODUCT DATA SHEET

Sika® Stabilizer Aquagel

VISCOSITY-MODIFIED AND ANTI-WASHOUT ADMIXTURE FOR CONCRETE

PRODUCT DESCRIPTION

Sika® Stabilizer Aquagel anti-washout admixture is a ready-to-use, powdered admixture, biopolymer-based, especially developed for concrete placed underwater. Concrete treated with Sika® Stabilizer Aquagel remains cohesive, homogeneous and workable with minimum loss of fines, including cement from freshly mixed concrete.

WHERE TO USE

- Recommended for underwater placement of concrete and grout in fresh and saltwater environments
- improves underwater “stacking” characteristics when concrete is placed by tremie operations

PRODUCT INFORMATION

CSC MasterFormat®	03 05 00
Packaging	25 kg (55 lb) bag
Appearance / Colour	Powder / White
Shelf Life	1 year in original, unopened packaging.
Storage Conditions	Store dry at temperatures ranging between +10 °C and +27 °C (50 °F and 80 °F).
Concreting Guidance	<p>Concrete Placement in Underwater Applications</p> <p>Concrete with Sika® Stabilizer Aquagel should be discharged at a depth of at least 610 mm (24 in) below the surface of calm water or at least three (3) times the maximum height of the prevalent waves when water is agitated (in order to avoid any rolling action).</p>

APPLICATION INFORMATION

Recommended Dosage

Sika® Stabilizer Aquagel is recommended for use at 0.03 % to 0.25 % of cementitious materials (cement, fly ash, silica fume and slag). The dosage rate is dependent on:

- The slope for placing the concrete.
- The height of the fall.
- The force of currents.
- The height of the waves.

Note: Sika does not advise employing usage rates outside the recommended dosage range without consulting your Sika Canada Technical Sales Representative. Trial batches are suggested in order to determine the required dosage for optimum performance with your concrete components.

Compatibility

Sika® Stabilizer Aquagel can be used in conjunction with other Sika® admixtures to achieve special concrete performance. When used with other admixtures, each admixture must be dispensed separately into the mix.

Restrictions

Effect on Slump

Adding Sika® Stabilizer Aquagel to concrete increases its cohesiveness and reduces its slump, making the concrete more difficult to consolidate. The slump loss is proportional to the dosage in Sika® Stabilizer Aquagel and can be as high as 125 mm (5 in) when used a high dosage. It is highly recommended to offset the loss in slump by adding a High-Range Water Reducer (HRWR) such as any of Sika® Viscocrete® products. The HRWR can be added to the concrete before or after the introduction of Sika® Stabilizer Aquagel, however, optimum performances are obtained when the HRWR is introduced in the concrete before Sika® Stabilizer Aquagel. If additional slump loss would occur during transit or at the jobsite, re-tempering the load with additional HRWR will offset the slump loss.

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

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