

PRODUCT DATA SHEET

Sika® Stabilizer-300 SCC

Viscosity Modifying Admixture

PRODUCT DESCRIPTION

Sika® Stabilizer-300 SCC is a ready to use liquid-based viscosity modifying admixture recommended for production of Self Consolidating Concrete where high flow and improved cohesiveness of the concrete mix design are required. Sika® Stabilizer-300 SCC increases the stability and finishability of concrete. Sika® Stabilizer-300 SCC is compatible with Sika® ViscoCrete® and Sikament® high range water reducing admixtures. Sika® Stabilizer-300 SCC helps stabilize the air void system in fresh concrete. Sika® Stabilizer-300 SCC is recommended for precast and ready mix concrete applications. Sika® Stabilizer-300 SCC conforms to the requirement of ASTM C 494 / AASHTO M 194, Type S admixture.

USES

Sika® Stabilizer-300 SCC increases mix cohesiveness viscosity characteristic of concrete. Sika® Stabilizer-300 SCC produces concrete that becomes fluid and flowable when sheared or mechanically agitated. This characteristic enables concrete to flow easily through and into confined spaces. The mix will revert to a dense, high viscous consistency when at rest. This cohesive cement paste matrix promotes high compressive and flexural strength development. Sika® Stabilizer-300 SCC is not an Anti- Washout Admixture. For underwater concreting applications use Sikament®-100 SC.

Sika® Stabilizer-300 SCC is suitable for usage in cases when:

- Higher viscosity is required
- Improved stability during transportation is required
- Lean concrete mix designs are used for SCC production
- Manufactured sand and/or "Gap-graded" coarse

- aggregate is used
- An Architectural Precast application is required
- Minimizing the effect of fluctuation of water content in aggregates

CHARACTERISTICS / ADVANTAGES

- Enhances stability of the concrete mix during high slump or SCC placement.
- Improves distribution of aggregate within the concrete mixture
- Increases the cohesiveness of lean and harsh mix designs
- Reduces segregation and bleeding
- Decreases pumping pressures
- Improves surface finishability
- Improves long term compressive strength

PRODUCT INFORMATION

Packaging	Sika® Stabilizer-300 SCC is available in 5 gallon (19 liters) pails, 55 gallon (208 liters) drums, 275 gallon (1040 liters) totes and bulk delivery.
Appearance / Color	Brown liquid
Shelf Life	Shelf life when stored in dry warehouse conditions between 50–80 °F (10–27 °C) is one year.
Storage Conditions	Sika® Stabilizer-300 SCC should be stored at above 40 °F (5 °C). If frozen, thaw and agitate thoroughly to return to normal state before use.
Specific Gravity	Approx. 1.22

APPLICATION INFORMATION

Recommended Dosage	Sika® Stabilizer-300 SCC is formulated for use at a rate of 0.3–4 fl. oz / 100 lbs (20–240 ml / 100 kg.) of cementitious content. The amount of Sika® Stabilizer-300 SCC must be proportionately increased as water content increases and may be reduced with lower water content.
Mixing	<p>Sika® Stabilizer-300 SCC should be added to the fresh concrete after all other mix ingredients have been blended together. Addition of the Sika® Sika® Stabilizer-300 SCC directly into the concrete too early may promote clumping of the mix materials. For best results, the concrete should be prepared in a concrete mixer that can thoroughly shear the materials and blend all of the components. Turbine mixers and central mix plants often perform better than dry batched transit mixers. Insufficient mixing or use of less than recommended quantities of Sika® Stabilizer-300 SCC may result in a concrete mix that is more likely to bleed or separate. Sika® Stabilizer-300 SCC may also be dispensed into freshly mixed concrete in a ready mix truck at the concrete plant or at the job site. When added on site, mixer should rotate its drum at maximum speed for a minimum of 1 minute / cu. yd or at least 5 minutes.</p> <p>Sika® Stabilizer-300 SCC is compatible with all other Sika admixtures. All the admixtures must be dispensed separately into the concrete mix.</p>

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

LEGAL DISCLAIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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Product Data Sheet
Sika® Stabilizer-300 SCC
November 2018, Version 01.02
021404021000000024

SikaStabilizer-300SCC-en-US-(11-2018)-1-2.pdf

