

PRODUCT DATA SHEET

Sika® Stabilizer-821 CS

Colloidal silica-based viscosity modifying admixture

DESCRIPTION

Sika® Stabilizer-821 CS is a colloidal silica-based viscosity modifying admixture which enhances the stability of concrete mixtures.

USES

Sika® Stabilizer-821 CS is a ready to use liquid-based viscosity modifying admixture recommended for shotcrete applications, the production of Self Compacting Concrete (SCC) and wherever high flow and improved cohesiveness is required. Sika® Stabilizer-821 CS enhances the pumpability of High Performance Concrete in high-rise building applications. Sika® Stabilizer-821 CS increases the stability and the finishability of concrete.

CHARACTERISTICS / ADVANTAGES

- Enhances stability of concrete matrix integrity during high slump placements, by reducing segregation and bleeding
- Sika® Stabilizer-821 CS helps stabilise the air void system in fresh concrete
- Improves distribution of aggregate in the concrete mix
- Compatible with Sika ViscoCrete® and SikaPlast® Technology
- Increases the cohesiveness of lean and harsh mixtures
- Decreases pumping pressures
- Improves surface finishability
- Sika® Stabilizer-821 CS reduces shotcrete rebound

PRODUCT INFORMATION

Composition	Suspension of colloidal silica
Packaging	1000 litre IBC 10 litre container
Shelf life	Stored at temperature between 5°C and 35°C in unopened original containers protected from direct sunlight, shelf life is twelve (12) months.
Storage conditions	Store at temperature between 5°C and 35°C protected from direct sunlight.
Appearance and colour	Clear liquid
Density	1.2 kg/l approximately
Recommended dosage	Sika® Stabilizer-821 CS is formulated for use at a rate of 150-1200 mls/100kg of total cementitious material.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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.

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Product Data Sheet

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