

PRODUCT DATA SHEET

SikaTell®

Colloidal silica-based Viscosity Modifying Admixture

DESCRIPTION

SikaTell® is a colloidal silica-based admixture that increases mix cohesiveness and the viscosity characteristics of concrete. SikaTell® produces concrete that becomes fluid and flowable when sheared or mechanically agitated. This characteristic enables concrete to flow through and into confined spaces. The mix will revert to a dense, highly viscous consistency when at rest. This cohesive cement paste matrix promotes high compressive and flexural strength development.

USES

SikaTell® is a ready to use liquid-based viscosity modifying admixture recommended for the production of Self Compacting Concrete (SCC) and shotcrete applications where high flow and improved cohesiveness is required. Sika SikaTell® 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
- SikaTell® helps stabilise the air void system in fresh concrete.
- Improves distribution of aggregate in the concrete mix
- Compatible with Sika ViscoCrete® Technology
- Increases the cohesiveness of lean and harsh mix designs
- Decreases pumping pressures
- Improves surface finishability
- Contains reactive micro particles that improves early age and long term compressive strength

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 and from frost, shelf life is at least twelve (12) months.
Storage conditions	Store at temperature between 5°C and 35°C protected from direct sunlight.
Appearance and colour	Clear liquid
Density	1.1 g/cm ³ approximately

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.

FURTHER INFORMATION

Dosage

SikaTell® is formulated for use at a rate of 150-1500 mls/100kg of total cementitious material. The amount of SikaTell® must be proportionately increased as the water content increases and may be reduced with a lower water content.

Dispensing

SikaTell® should be added to the fresh concrete after all the other mix ingredients have been blended together. Addition of the SikaTell® directly into the concrete too early in the mixing sequence may promote clumping of the mix constituents.

For best results, the concrete should be prepared in a concrete mixer that can thoroughly shear the materials and blend all the components.

Insufficient mixing and/or the use of less than the recommended quantities of SikaTell® may result in a concrete that is more likely to bleed or segregate.

IMPORTANT CONSIDERATIONS

SikaTell® is normally used in combination with ViscoCrete® superplasticiser. It can also be combined with other admixtures, without influencing the performance. To use combinations of these admixtures, site trials are recommended.

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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