

SikaTell[®]

Type SN - Viscosity Modifying Admixture

Description	SikaTell is a colloidal silica 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	<ul style="list-style-type: none">■ 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
Storage and Shelf Life	Stored at temperatures 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.
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.
Mixing	<p>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.</p> <p>For best results, the concrete should be prepared in a concrete mixer that can thoroughly shear the materials and blend all the components.</p> <p>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.</p>

Technical Data (Typical)

Form	Solution of polymer based viscosity control agents
Colour	Clear, cloudy
Chloride Content	No added chlorides
TEA Content	Does not contain triethanolamine
Air Entrainment	Does not affect air content
Packaging	20 litre pail 205 litre drum Bulk deliveries

Important Notes

- Frozen SikaTell can be reconstituted by slow thawing to room temperature and thorough mixing.
 - SikaTell is normally used in combination with Sikament superplasticiser. It can also be combined with other admixtures, without influencing the performance. To use combinations of these admixtures, site trials are recommended.
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Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Product Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

