

PRODUCT DATA SHEET

Sika ViscoFlow®-15

Workability-enhancing admixture

DESCRIPTION

Sika ViscoFlow®-15 is a workability-enhancing admixture for use in various concrete applications (slump-keeper).

USES

Sika ViscoFlow®-15 can be used in conventional, high slump or Self-Compacting Concrete, in precast/pre-stressed or ready mix applications, or in any application where extended concrete plasticity without excessive retardation is required. Sika ViscoFlow®-15 does not extend slump life through slowing down the hydration process of cement. Besides the slump-retaining effect Sika ViscoFlow®-15 also offers a water-reducing effect, resulting in a lower dosage rate for the primary water reducer in the concrete mix. Sika ViscoFlow®-15 can be used as a stand-alone admixture or in combination with other Sika concrete admixtures.

CHARACTERISTICS / ADVANTAGES

Sika ViscoFlow®-15 is a unique concrete admixture used to improve the workability and slump retention of fresh concrete. Sika ViscoFlow®-15 uses innovative polycarboxylate polymer technology, which can be used in various concrete applications whenever extended slump retention and concrete plasticity without excessive set time delays is required.

Use of Sika ViscoFlow®-15 delivers the following benefits to a concrete producer:

- Extended slump retention without excessive retardation.
- Reduced or eliminated need for concrete re-tempering.
- Better ability to optimize concrete mix designs resulting in cost savings.
- Ability to adjust slump retention to match transport time and temperature.
- No deleterious effect on concrete shrinkage.
- Reduced rejection rates due to issues related to concrete re-tempering.

APPROVALS / STANDARDS

Sika ViscoFlow®-15 meets the requirements of AS 1478.1-2000 for Special Purpose Admixture Type (SN).

PRODUCT INFORMATION

Chemical Base	Aqueous solution of modified polycarboxylates
Packaging	Bulk delivery
Appearance / Colour	Cloudy liquid
Shelf Life	At least one (1) year when stored as stated.
Storage Conditions	Store at temperature between 5°C and 35°C, protected from the direct sunlight.
Specific gravity	1.05 g/cm ³

Recommended Dosage	Sika ViscoFlow®-15 recommended dosage is 200 ml to 1000 ml per 100kg of total cementitious material. Optimum dosage should be determined by site trials.
Compatibility	Sika ViscoFlow®-15 can be used in conjunction with all the Sika Concrete admixtures. All admixtures must be added separately.
Dispensing	For maximum efficiency, add Sika ViscoFlow®-15 directly to freshly mixed concrete in the concrete mixer after all batching water and water reducing admixture has been added. Sika ViscoFlow®-15 may also be dispensed into freshly mixed concrete in the Agitator truck, at the concrete plant or at the job site. To optimize the slump retaining effect, Sika recommends that the combined materials should be mixed for 80-100 revolutions either in the concrete mixer or in the Agitator truck.
Restrictions	May increase air content of concrete when used at normal dose.

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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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