

Sika® ViscoFlow®-10

Workability Retaining Admixture

Description	Sika® ViscoFlow®-10 is a workability retaining admixture for use in various concrete applications. Sika® ViscoFlow®-10 meets requirements of ASTM C-494 Type S.
Applications	Sika® ViscoFlow®-10 can be used in conventional, high slump or Self Consolidating Concrete, in precast/prestress or ready mix applications, or in any application when extended concrete plasticity without excessive retardation is required. Sika® ViscoFlow®-10 does not extend slump life through slowing down hydration process of cement. Besides the slump retaining effect Sika® ViscoFlow®-10 also offers a water reducing effect, resulting in lower dosage rates of the primary water reducer in the concrete mixture. Sika® ViscoFlow®-10 can be used as a stand alone additive or in combination with any Sika concrete admixture.
Benefits	<p>Sika® ViscoFlow®-10 is unique concrete admixture used to improve workability and slump retention of concrete mixtures. Sika® ViscoFlow®-10 uses innovative polycarboxylate polymer technology, which can be used in various concrete applications whenever extended slump retention and concrete plasticity without set time delays is required. Sika® ViscoFlow®-10 is not a retarding admixture.</p> <p>Use of Sika® ViscoFlow®-10 delivers the following benefits to a concrete producer:</p> <ul style="list-style-type: none">■ Extended slump retention without retardation.■ Reduced or eliminated need for concrete re-tempering.■ Better ability to optimize concrete mix designs resulting in cost savings.■ Ability to use higher content of supplementary cementitious materials due to improved production consistency.■ Ability to adjust the slump retention accordingly to transportation time and temperature.■ Reduced rejection rates due to issues related to concrete re-tempering.
How to Use	
Dosage	Dosage rates will vary according to materials used, ambient conditions and the requirements of a specific project. Typically, Sika recommends dosage at 2-6 fl.oz. per 100 lbs. (130-390 ml/100 kg) of cementitious materials for general concrete applications. If maximum slump retention is required dosage up to 12 fl.oz./100 lbs. (780 ml/100 kg) of cementitious may be used. Dosage rates outside the recommended range may be used where specialized materials such as microsilica are specified, extreme ambient conditions are encountered or unusual project conditions require special consideration. In this case please contact your local Sika representative or Sika technical service department at 1-800-933-7452. Verification of mix performance with actual materials in the field is always advised.

Concrete



Sika®

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Mixing

For maximum efficiency, add Sika® ViscoFlow®-10 directly to freshly mixed concrete in the concrete mixer after all batching water and water reducing admixture has been added. Sika® ViscoFlow®-10 may also be dispensed into freshly mixed concrete in a Ready Mix 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 Ready Mix truck.

Combination with Other Admixtures: Sika® ViscoFlow®-10 can be used as a single admixture or in combination with other water reducing admixtures produced by Sika. If used with products based on naphthalene sulfonate, plastic properties such as slump, slump retention or pumpability of concrete may be affected. Please contact your local regional office or technical service department at 1-800-933-7452 for further information. Sika® ViscoFlow®-10 can be used in combination with other supplementary materials. In such a case performance of actual mix design should be verified to confirm accordance with project specifications.

Packaging

Sika® ViscoFlow®-10 is available in 55 gallon drums (208 liters), 275 gallon totes (1040 liters) and bulk delivery.

Storage and Shelf Life

Shelf life when stored in dry warehouse conditions between 40°F and 80°F (5°C - 27°C) is 1 year. Protect from direct sunlight. If exposed to direct sun, color fading may be observed. Color change does not effect the performance.

Sika® ViscoFlow®-10 should be stored at above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to normal state.

Typical Data**Appearance**

Reddish Liquid

Specific Gravity

Approx. 1.04

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

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Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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Alberta: Edmonton, AB, Phone: (780) 486-6111

Quality Certification Numbers: Lyndhurst: FM 69711 (ISO 9000), FM 70421 (QS 9000), Marion: FM 69715, Kansas City: FM 69107, Santa Fe Springs: FM 69408



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