

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. 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	<p>Dosage</p> <p>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 speci-</p>

fied, extreme ambient conditions are encountered or unusual project conditions require special consideration. In this case please contact your local Sika representative regional office or technical service department at 1-800-933-7452.

Verification of mix performance with actual materials in the field is always advised.

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 drum (208 liter), 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 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

Caution:

IRRITANT. May cause skin/eye irritation. May be harmful if swallowed.

Handling and Storage Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse. First Aid Eyes – Hold eyelids apart and flush thoroughly with water for 15 minutes. Skin – Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. Inhalation – Remove to fresh air. Ingestion – Do not induce vomiting.

Dilute with water. Contact physician. In all cases contact a physician immediately if symptoms persist.



Clean Up Use personal protective equipment (chemical resistant gloves/goggles/clothing).

Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.

NOTA

La información y, en particular, las recomendaciones sobre la aplicación y uso final de los productos **Sika** son proporcionadas de buena fe, basados en el conocimiento y experiencia actuales de **Sika** respecto a sus productos, siempre y cuando éstos sean adecuadamente almacenados y manipulados, así como aplicados en condiciones normales. En la práctica, las diferencias en los materiales, sustratos y condiciones de la obra son tan particulares que de esta información, cualquier recomendación escrita o cualquier otro consejo no se puede deducir garantía alguna respecto a la comercialización o adaptabilidad del producto a una finalidad en particular, así como responsabilidad alguna que surja de cualquier relación legal. Se deben respetar los derechos de propiedad de terceros. Todas las órdenes de compra son aceptadas de acuerdo con nuestras actuales condiciones de venta y despacho. Los usuarios deben referirse siempre a la edición más reciente de la Hoja Técnica, cuyas copias serán facilitadas a solicitud del cliente. **Restricciones locales:** Tener en cuenta que como consecuencia de regulaciones específicas locales el funcionamiento de los productos puede variar de un país a otro. Consulte la Hoja de Datos locales para la descripción exacta de los campos de aplicación.

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Responsabilidad Integral