

## PRODUCT DATA SHEET

## Sika® ViscoCrete® SKY 8108

(formerly MasterGlenium® SKY 8108)

## HIGH RANGE WATER REDUCING ADMIXTURE

## DESCRIPTION

Sika® ViscoCrete® SKY 8108 is a ready-to-use, high range water-reducing agent designed to produce high slump concrete. This is a ready to use chloride free liquid admixture and meets ASTM C494 requirements for type F and AS1478 requirements for High Range Water Reducing Admixtures.

## USES

- Ready-mixed concrete
- Precast concrete
- All types of concrete mixes in which high early strength or high strength and very high flowability are essential
- Pumped concrete

- Hot weather concreting used with all cements and air-entraining admixtures approved under ASTM and AASHTO and CRD specifications

## FEATURES

Sika® ViscoCrete® SKY 8108 improve the properties of fresh and hardened concrete, providing:

- “Superplasticizing” effect for high slump retention.
- Dramatic reduction in water requirement at equal slump.
- Improved workability at equal water content compared to a non-treated mix.
- Reduced permeability.
- Increased durability, increased compressive, flexural and bond strengths of concrete to steel.
- Increase strength and early ages.
- Low shrinkage.

## PRODUCT INFORMATION

Composition	Aqueous solution of modified polycarboxylate copolymers
Packaging	205 L drums (non-returnable) 1 000 L bulk delivery
Shelf life	12 months from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight and frost.
Appearance	Liquid

## TECHNICAL INFORMATION

Concreting guidance	The standard rules of good concreting practice, concerning production and placing, are to be followed. Laboratory trials before concreting on site are strongly recommended when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and as early as possible.
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# APPLICATION INFORMATION

<b>Recommended dosage</b>	0.5 – 2.0 L per 100 Kg of cementitious. Other dosages may also be used depending on the specific working conditions. Trial mixes should be made with job materials to determine the optimum dosage required for a specified job requirement.
<b>Compatibility</b>	Sika® ViscoCrete® SKY 8108 may be combined with the following products: <ul style="list-style-type: none"><li>▪ Sika® Plastiment®</li><li>▪ Sika® ViscoCrete®</li><li>▪ SikaFume®</li><li>▪ SikaFiber®</li></ul> Do not use viscocrete or viscoflow series combined with sikament series. To produce flowing and or self-compacting concrete, special concrete mix design is required. Pre-trials are recommended and mandatory if combinations with the above products are required. Please consult to our Technical Service Department.

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### APPLICATION

Sika® ViscoCrete® SKY 8108 as supplied after thorough stirring, without any dilution.

The addition of Sika® ViscoCrete® SKY 8108 to a dry mix is not recommended. Sika® ViscoCrete® SKY 8108 can be dosed either at the batching plant or at the placing site.

At the batching plant, introduce Sika® ViscoCrete® SKY 8108 at the specified dosage directly into the mixer through a dispenser along with mixing water, when the concrete is thoroughly wetted (i.e. after adding at least 75% of the mixing water) and mix for at least 3 minutes.

If added at the placing site, mix for at least 3 minutes after the addition.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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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