

PRODUCT DATA SHEET

Sika® ViscoCrete® SKY 8403

(formerly MasterGlenium® SKY 8403)

NEW GENERATION HIGH RANGE WATER REDUCING ADMIXTURE

DESCRIPTION

Sika® ViscoCrete® SKY 8403 is a new generation admixture based on polycarboxylic ether combined with our Cement Hydration Control System. Compared to traditional superplasticizers Sika® ViscoCrete® SKY 8403 has a more powerful dispersing effect and is able, to provide extended open times for wet mix sprayed concrete.

USES

The excellent dispersing effect makes Sika® ViscoCrete® SKY 8403 the ideal choice for wet mix sprayed concrete where high early and final strengths are required. Sika® ViscoCrete® SKY 8403 provides a reduction in water content of approximately 25 - 30 % and still achieve the required workability.

This makes it ideal for:

- Temporary and final sprayed concrete linings
- Single Shell Linings
- Concrete for underground work to meet the
- highest demands of usability and pumpability combined with strength and durability.

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none"> ▪ 205 L drum ▪ 1,000 L tank
Shelf Life	12 months in original unopened container
Storage Conditions	Stored between +50°C and 30°C.

CHARACTERISTICS / ADVANTAGES

- Allows for highly workable concrete at the lowest w/c ratio – without segregation and bleeding
- Provides extended open time to allow transportation and placing of the sprayed concrete, even hours after batching.
- Provides improved pumpability due to increased cohesion in the concrete mix
- Provides reduced wear and tear on the pump
- Greater durability from improved mechanical properties in the concrete.
- High early & final strengths
- Reduced permeability due to lower water/cement ration.

APPLICATION INFORMATION

Compatibility

Sika® ViscoCrete® SKY 8403 is compatible with all types of cement complying with international standards. Sika® ViscoCrete® SKY 8403 can be used in combination with the following admixtures and additives:

- Air entraining admixtures to optimize freeze/thaw durability.
- Silica Fume for higher density
- Shrinkage compensating admixture
- Synthetic and Steel Fibres
- Concrete Improvers.

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.

APPLICATION INSTRUCTIONS

MIXING

Sika® ViscoCrete® SKY 8403 is ready to use admixture and must be added prior to the addition of other admixtures to the mix. Optimum plasticizing effect and thus water reduction is achieved if Sika® ViscoCrete® SKY 8403 is added immediately after 50 – 70% of the water. Avoid addition Sika® ViscoCrete® SKY 8403 to dry aggregate or cement.

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.

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March 2024, Version 01.01

02130100000002896

SikaViscoCreteSKY8403-en-SG-(03-2024)-1-1.pdf