

## PRODUCT DATA SHEET

# Sika® ViscoCrete® SKY 8761

(formerly MasterGlenium® SKY 8761)

### PCE BASED SUPERPLASTICIZING AND SET RETARDING CONCRETE ADMIXTURE

#### DESCRIPTION

Sika®ViscoCrete® SKY 8761 is a Poly carboxylic ether (PCE) based superplasticizer formulated with super retention technology. Sika®ViscoCrete® SKY 8761 provides good workability over extended period without compromising on concrete strength development.

The ability to work with low water cement ratio and still obtain extensive slump retention allows for the manufacture and easy placement of high-quality concrete.

The superior combination of early strength, slump retention and final strength development allows Sika® ViscoCrete® SKY 8761 to meet demanding concreting requirements, often exceeding the performance of conventional superplasticizers.

Sika®ViscoCrete® SKY 8761 is free of Chloride and complies with ASTM C 494 Type G and is also compatible with all cements meeting recognized international standard.

#### USES

Sika® ViscoCrete® SKY 8761 is mainly suitable for the manufacture of concrete for RMC plants and site batch concrete.

Sika® ViscoCrete® SKY 8761 is used for the following types of concrete:

- Bored piles.
- Barrette foundations and diaphragm walls.
- Ground and suspended slabs.
- Columns and walls.

#### FEATURES

Sika®ViscoCrete® SKY 8761 offers the following benefits:

- High water reduction capacity over conventional superplasticizers
- Hot weather concreting and long distant transport
- Low permeability and high durability concrete
- Flowability for ease of placement and compaction
- No retempering with extended slump retention
- Improve surface quality with minimal bleed water
- Superior cohesion with ease of pumping

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## PRODUCT INFORMATION

|                    |   |
|--------------------|---|
| Composition        | Modified Polycarboxylate in water                           |
| Packaging          | 200L PE Drum /1000L IBC Tank                                |
| Shelf life         | 12 months if stored properly in original unopened packaging |
| Storage conditions | Stored in dry conditions, protected from direct sunlight    |
| Colour             | White to Slightly Yellow                                    |
| Specific gravity   | 1.05 - 1.09   |
| pH-Value           | 5.0 - 8.0   |

## TECHNICAL INFORMATION

|                     |  |
|---------------------|--|
| Concreting guidance | <b>Concrete placing:</b> With the use of Sika® ViscoCrete® SKY 8761, concrete of highest quality is being produced, however state of the art concrete technology, such as mixing, placing vibrating and curing must be respected and applied.<br><b>Curing:</b> Effective measures for concrete curing must be followed. |
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## APPLICATION INFORMATION

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|--------------------|--|
| Recommended dosage | The normally recommended dosage rate is 0.8 to 1.8 litres per 100 kg of binder. Other dosages may be used in special cases according to specific job site conditions.  |
| Compatibility      | Sika® ViscoCrete® SKY 8761 may be combined with all Sikament®, Sika® Aer, SikaPlast®, Sika® Pump, Sikacrete® PP1 products, but must be added separately to the mix and not pre-mixed prior its addition.<br>Sika® ViscoCrete® SKY 8761 is compatible with all Portland Cement types. |

## 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.

## LIMITATIONS

Overdosing will result in increased workability and setting time of the Concrete, however, provided that curing is effective, ultimate concrete strength and properties will not be affected. Use an appropriate concrete mixer and do not mix by hand. Trial mixes are recommended to establish exact dosage rates required to suit individual requirements. Please contact Sika Technical Department for further assistance.

## 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

### DISPENSING

Sika® ViscoCrete® SKY 8761 is added to the gauging water prior to its addition to the dry mix or added separately to the wetted concrete mix.

For optimum utilization of the ultra-high range water reducer we recommend a minimum wet mixing time of 60 seconds.

When adding the balance of the batching water to adjust concrete consistency this should be done after a minimum of 2/3 of the wet mixing time to avoid surplus water in the concrete.

## 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.

### SIKA (MYANMAR) LIMITED

No.31, Mahabandula Street, South  
Dagon

Kyansittar Yeik Mon Industrial Zone,  
Yangon, Myanmar.

Phone: +959 798366081, +951 657970-2

E-mail: myanmar.sales@mm.sika.com



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