

## PRODUCT DATA SHEET

# Sika® ViscoCrete® SKY 8660

(formerly MasterGlenium® SKY 8660)

High-performance super plasticiser based on PCE (polycarboxylic ether) for concrete

### DESCRIPTION

Sika® ViscoCrete® SKY 8660 is a new generation hyper-plasticizing additive based on polycarboxylate ether, specially designed to significantly improve concrete rheology, pumpability and resistance to segregation, even with low cement contents. Sika® ViscoCrete® SKY 8660 allows the production of highly fluid concrete, including high-strength self-compacting concrete, without generating delays in setting.

### USES

- Production of smart dynamic concrete & self-consolidation concrete.
- High performance concrete for durability
- High workability without segregation or bleeding
- Precast & Pre-stressed concrete
- Concrete containing pozzolans such as microsilica, GGBFS, PFA including high volume fly ash concrete

### CHARACTERISTICS / ADVANTAGES

- Elimination of vibration and reduced labour cost in placing
- Marked increase in early & ultimate strengths
- Improved adhesion to reinforcing and stressing steel
- lower permeability - increased durability

### APPROVALS / STANDARDS

IS 9103, ASTM C494 Type F & G

### PRODUCT INFORMATION

<b>Packaging</b>	245kg drum
<b>Shelf life</b>	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
<b>Storage conditions</b>	Sika® ViscoCrete® SKY 8660 must be stored where temperatures do not drop below +5°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult your local Sika representative.
<b>Appearance / Colour</b>	Light reddish to dark brown liquid
<b>Density</b>	1.07 ± 0.02 at 25°C

## APPLICATION INFORMATION

### Recommended Dosage

Optimum dosage of Sika® ViscoCrete® SKY 8660 should be determined with trial mixes. As a guide, a dosage range of 500ml to 2000ml per 100kg of cementitious material is normally recommended. Because of variations in concrete materials, job site conditions, and/or applications, dosages outside of the recommended range may be required. In such cases, contact your local Sika representative.

For addition information on Sika® ViscoCrete® SKY 8660 admixture or on its use in developing concrete mixes with special performance characteristics, contact your local Sika representative.

#### Effects of over dosage

A severe over-dosage of Sika® ViscoCrete® SKY 8660 can result in the following:

Extension of initial and final set

Bleed/segregation of mix

A slight overdosing may not adversely affect the ultimate strength of the concrete and can achieve higher strengths than normal concrete, provided it is properly compacted and cured. Due allowance should be made for the effect of fluid concrete pressure on form work, and stripping times should be monitored.

In the event of over dosage, consult your local Sika representative immediately.

### Dispensing

Sika® ViscoCrete® SKY 8660 is a ready-to-use liquid which is dispensed into the concrete together with the mixing water. The plasticising effect and water reduction are higher if the admixture is added to the damp concrete after 50 to 70% of the mixing water has been added. The addition of Sika® ViscoCrete® SKY 8660 to dry aggregate or cement is not recommended. Thorough mixing is essential and a minimum mixing cycle, after the addition of the Sika® ViscoCrete® SKY 8660, of 60 seconds for forced action mixers is recommended.

### Compatibility

Sika® ViscoCrete® SKY 8660 is compatible with most of the Sika products. It must not be used in conjunction with any other admixture unless prior approval is received from Sika Technical Services Department.

## 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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## 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 India Pvt. Ltd.

620, Diamond Harbour Road  
Commercial Complex II  
Kolkata - 700 034  
West Bengal, India

### Contact:

Phone: +91 33 2447 2448  
Fax: +91 33 2397 8688  
info.india@in.sika.com  
www.sika.in



### Product Data Sheet

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