

## PRODUCT DATA SHEET

# Sika® ViscoCrete® SKY 8606

(formerly MasterGlenium® SKY 8606)

High range water reducing admixture for concrete

### DESCRIPTION

Sika® ViscoCrete® SKY 8606 is an innovative superplasticizer based on polycarboxylic ether (PCE) polymers.

### USES

Sika® ViscoCrete® SKY 8606 is used for:

- Economic, eco-friendly and ergonomic production of concrete mixes with highly workable, non-segregating concrete utilizing low water cement ratios
- High early and final strength gains
- Ready-mixed concrete

Sika® ViscoCrete® SKY 8606 is used in:

- All consistencies, including Self-Compacting Concrete (SCC)
- All standard cement types, including low-clinker mixes containing fly ash, slag, and silica fume
- Reinforced and pre-stressed concrete

### CHARACTERISTICS / ADVANTAGES

- Guarantee to place the same concrete as specified and ordered from ready-mix plant
- More versatile and forgiving concrete mix
- High quality concrete with better durability
- Cohesive and non-segregating
- Increased ultimate compressive strength
- Higher modulus of elasticity
- Improved bond strength to steel
- Low permeability
- High durability
- Reduced shrinkage and creep

### APPROVALS / STANDARDS

Conforms to IS 9103 / ASTM C494

### PRODUCT INFORMATION

<b>Chemical base</b>	Polycarboxylates Ethers
<b>Packaging</b>	245/255kg & Bulk supply
<b>Appearance / Colour</b>	Light to dark reddish brown liquid
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +40 °C. Protect from direct sunlight and frost. Always refer to the packaging. Frost: If frozen or if precipitation has occurred, the Product may be used after thawing slowly at room temperature and intensive mixing.
<b>Density</b>	1.10 +/- 0.02 @25° C
<b>pH-value</b>	≥ 6

# APPLICATION INFORMATION

## Recommended Dosage

- 0.3–2.0 kg per 100 kg of cement (binder).  
The dosage rates given above are for typical usages, they are not meant as absolute limits, as other dosages may be utilized in special cases according to specific job conditions. If required consult Sika India Technical Services Department for advice. Trial mixes should be carried out to ensure optimum dosage and effect.

# SYSTEM INFORMATION

## Compatibility

Compatible with Sika Products.  
Compatible with all types of cements and cementitious materials.  
Contact local Sika technical team for specific mix and use.

# 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.

# IMPORTANT CONSIDERATIONS

When using Sika® ViscoCrete® SKY 8606 a suitable mix design has to be taken into account and local material sources shall be trialled.

Sika® ViscoCrete® SKY 8606 shall not be added to dry cement.

Excessive water addition, overdosing, changes in aggregates properties, cement properties, cementitious materials properties may cause bleeding, segregation issue, workability or setting issues.

# 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.

# APPLICATION INSTRUCTIONS

## MIXING

The Product is a ready-to-use admixture to be added to the concrete as a separate component. Optimal performance is obtained if the Product is dispensed into the concrete mix right after the addition of the first 80% of the mixing water, i.e. when all solids are wetted out. Avoid adding the admixture to the dry aggregates.

## 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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