

# PRODUCT DATA SHEET

## Sika® ViscoCrete® HE-200

### ACCELERATING HIGH RANGE WATER REDUCING/SUPERPLASTICISING CONCRETE ADMIXTURE

#### PRODUCT DESCRIPTION

Sika® ViscoCrete® HE-200 is a liquid admixture for concrete which is used as an accelerating high range water reducer or superplasticiser. It meets the requirements of BS EN 934-2.

#### USES

Sika® ViscoCrete® HE-200 is a unique product that is suitable for the production of: -

- Ready mixed concrete
- Precast concrete
- Fast track concrete
- Self compacting concrete (SCC possible with high quality aggregates)

#### CHARACTERISTICS / ADVANTAGES

- High range water reductions resulting in higher strengths and densities
- Improved cohesion properties
- Improved early and ultimate strengths
- Improved rheology
- Improved durability
- Reduced segregation and bleeding
- Reduced drying shrinkage

#### APPROVALS / STANDARDS

Conforms to the requirements of BS EN 934-2 Tables 3.1 & 3.2  
DoP 02 13 01 01 100 0 000451 1088, certified by Factory Production Control Body 0086, Certificate 541325, and provided with the CE mark

#### PRODUCT INFORMATION

<b>Chemical Base</b>	Modified polycarboxylate
<b>Packaging</b>	20 litre drum, 200 litre drum, 1000 litre IBC and Bulk Tanker
<b>Appearance / Colour</b>	Brown Liquid
<b>Shelf Life</b>	12 months from date of production if stored properly in undamaged containers.
<b>Storage Conditions</b>	Store in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.
<b>Density</b>	1.08 kg/l (at +20°C)
<b>pH-Value</b>	7.3 +/- 1.0
<b>Total Chloride Ion Content</b>	<0.10% w/w (chloride free)
<b>Equivalent Sodium Oxide</b>	< 4.2%

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## TECHNICAL INFORMATION

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<b>Specific Advice</b>	Air Entrainment: Negligible , normally a minimal increase Effect on Setting: Reduction to normal setting Effect of Overdosing: Increased workability and segregation
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## APPLICATION INFORMATION

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<b>Recommended Dosage</b>	0.8 -2.5% by weight of cement for medium workability
<b>Compatibility</b>	Sika® Admixtures: - All Sika admixtures can be considered - Trial mixes should always be carried out to determine performance in-situ Cements: - All cements including replacements
<b>Dispensing</b>	Sika® ViscoCrete® HE-200 should be dispensed through suitable calibrated dosing equipment.
<b>Restrictions</b>	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.

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## APPLICATION INSTRUCTIONS

### DISPENSING

Sika® ViscoCrete® HE200 should be dispensed through suitable calibrated dosing equipment.

### VALUE BASE

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.

### 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.

### 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.

### 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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