

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

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

TECHNICAL INFORMATION

Specific Advice

Air Entrainment: Negligible , normally a minimal increase
Effect on Setting: Reduction to normal setting
Effect of Overdosing: Increased workability and segregation

APPLICATION INFORMATION

Recommended Dosage

0.8 -2.5% by weight of cement for medium workability

Compatibility

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

Dispensing

Sika® ViscoCrete® HE-200 should be dispensed through suitable calibrated dosing equipment.

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.

APPLICATION INSTRUCTIONS

DISPENSING

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

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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 war-

ranty 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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