

PRODUCT DATA SHEET

Sika® ViscoCrete®-1095

PCE SUPERPLASTICISER FOR STRONG CONCRETE

DESCRIPTION

Sika® ViscoCrete®-1095 is a versatile superplasticiser for the reliable production of ready-mixed concrete and concrete in precast plants based on polycarboxylate ether.

USES

- All common types of concrete in ready-mix concrete and precast concrete plants
- Consistency classes F2 to F6 and SVB
- Reliable transport and processing time within the required consistency class
- Concretes with low w/c ratios

FEATURES

- Compatible with almost all cements

- Usual fluctuations in all areas can be due to the robust character of the polymer by adjusting the dosage
- Very good price/performance ratio

Effect in the concrete:

- Soft consistency and high flowability reduce processing and compaction effort
- Strong water reduction and compliance with the maximum w/c values make a decisive contribution to the durability of the concretes
- Consistency retention and optimum workability even at cold and warm concrete temperatures

CERTIFICATES AND TEST REPORTS

DIN EN 934-2:T2, T3.1, T3.2, T11.1, T11.2

DoP No. 73674783

Concrete plasticisers, superplasticizers and retarder/superplasticizer for the production of concrete

Complies with the requirements of ZTV-ING

Fulfils the requirements of DVGW worksheets W270 and W347

PRODUCT INFORMATION

Composition	Polycarboxylate ether
Packaging	Barrel: 200 kg Exchange container: 1000 kg bulk delivery: from 6 tonnes
Appearance and colour	Liquid / light yellow
Shelf life	Stable for at least 1 year in closed containers. After prolonged storage, stir before use.
Storage conditions	Protect from frost, strong sunlight and contamination. Use clean tanks and containers for bulk deliveries.
Density	1.06 g/cm ³ at +20 °C
pH-Value	approx 4

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Total chloride ion content ≤ 0.10 %

Equivalent sodium oxide ≤ 0.5 %

APPLICATION INFORMATION

Recommended dosage 0.2 - 2.5 % of the cement weight
Initial test according to DIN EN 206-1/DIN 1045-2 is required.

Dispensing For immediate addition in the factory, we recommend adding Sika® ViscoCrete®-1095 to the concrete mix at the end of the water addition and mixing it in before other concrete admixtures. For optimum utilisation of the liquefaction potential, we recommend a wet mixing time of at least 45 seconds with optimum mixing. Start the fine water dosing at the earliest after 2/3 of the wet mixing time to avoid too soft consistencies. For subsequent dosing on the construction site, we recommend using the same superplasticiser as in the factory. When adding the superplasticiser to the ready-mix concrete vehicle, ensure that it is evenly distributed in the concrete. For this purpose, we recommend adding the superplasticiser to the concrete. The mixing time should be 1 minute per cubic metre, but at least 5 minutes.

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.

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.

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.

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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