

PRODUCT DATA SHEET

Sika® ViscoCrete® ACE 8320

High activity superplasticiser / water reducer admixture for high performance concrete

DESCRIPTION

Sika ViscoCrete ACE 8320 is a high activity superplasticizer / water reducing admixture especially designed for the manufacture of concrete with a specific demand for initial resistance, allowing the reduction of the curing cycles in the field of precast in thermal curing and even permitting its total elimination.

Using Sika ViscoCrete ACE 8320 self compacting concrete can be produced which allows for laying concrete without vibration and minimizing the curing energy.

USES

Sika ViscoCrete ACE 8320 is specifically designed for use in concrete for precast.

- High performance concrete
- Flowable concrete
- Civil works
- Self compacting concrete

Please consult Sika representatives for any application not mentioned in this product data sheet.

FEATURES

- Great fluidification and water reduction power - Makes the laying and compacting via vibration easier. High quality finishes.
- Increases the initial and final set of concrete - High early strength in short period of time.
- Does not produce delayed settings – Allows for the reduction of curing cycles (in temperature or time) and even for its complete elimination.
- Excellent cohesion - Allows for fluid concrete with low water cement ratio, without segregation nor bleeding. Improves the waterproofing and durability of the concrete by decreasing its porosity.

CERTIFICATES AND TEST REPORTS

Complies with ASTM C494 Type F

PRODUCT INFORMATION

Packaging	1,000 L / IBC
Appearance and colour	Yellowish to Light Brown liquid
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging
Storage conditions	Store in dry conditions, protected from direct sunlight at temperature between 5°C and 40°C
Density	1.060-1.085 kg/L @ 25°C
pH-Value	6.0 - 8.0

APPLICATION INFORMATION

Recommended dosage

The usual dosage of Sika Viscocrete ACE 8320 is 0.5 – 2.5% over cementitious weight, depending on the characteristics and quantity of the materials used, the consistency and water reduction required.

Higher dosages, up to approximately 3% over cementitious weight are possible, with prior tests.

It is recommended to carry out the necessary tests to determine the optimum dosage in each case.

Dispensing

It is recommended to add Sika Viscocrete ACE 8320 to the last part of mixing water. It can be added directly to the mixing lorry, always respecting the minimum mixing time for its complete homogenization. Do not add to dry mix.

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

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.

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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