

PRODUCT DATA SHEET

Sika® ViscoCrete® ACE 8360

(formerly MasterGlenium® ACE 8360)

High-range Superplasticizer for precast manufacturing.

DESCRIPTION

Sika ViscoCrete ACE 8360 is an innovative polycarboxylate ether (PCE) based superplasticizer /high range water reducing admixture ideally suited for the precast industry. Due to a specifically tailored formulation, this admixture shows excellent dispersion of cement at low water to binder ratio. As a result, Sika ViscoCrete ACE 8360 provides exceptional high early strength development.

USES

The unique combination of early strength, slump retention and final strength development allows Sika ViscoCrete ACE 8360 to be considered ideally for precast application under difficult condition.

FEATURES

Sika ViscoCrete ACE 8360 offers the following benefits for the precast concrete industry:

- High impermeability and strength
- Improved and excellent durability
- Very high workability
- No segregation even at high workability
- Excellent concrete quality
- Produce rheoplastic and self compacting concrete at low w/c ratio
- Optimize curing cycle by shortening curing time or decreasing curing temperature
- Eliminate or reduce heat curing
- Eliminate or reduce energy required for placing, consolidation and heat curing
- Increased productivity
- Improved surface appearance
- Produce durable precast concrete elements
- Increased use of supplementary cementitious materials such as fly ash.
- As compared to the traditional superplasticizers, improve engineering properties such as early and ultimate compressive and flexural strengths.

CERTIFICATES AND TEST REPORTS

Complies with ASTM C494 Type F

PRODUCT INFORMATION

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| Packaging | 1,000 L / IBC |
| 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 |

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|------------------------------|---------------------------------|
| Appearance and colour | Yellowish to Light Brown liquid |
| Density | 1.050-1.080 kg/L @ 25°C |
| pH-Value | 4.0 - 7.0 |

APPLICATION INFORMATION

Recommended dosage The recommended dosage rate of Sika Viscocrete ACE 8360 is 0.5 to 1.5 litres per 100 kg of Cementitious material (binder). Other dosages may be used in special cases according to specific job site conditions. In this case, please consult our Sika representative.

Dispensing Sika Viscocrete ACE 8360 is a liquid admixture to be added to the concrete during the mixing process. The best results are obtained when the admixture is added after all the other components are already in the mixer and after the addition of at least 80% of the total water.

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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