

PRODUCT DATA SHEET

Sika® ViscoCrete® ACE 8570

(formerly MasterGlenium® ACE 8570)

Engineered high-range superplasticiser for precast mix application

DESCRIPTION

Sika ViscoCrete ACE 8570 is an innovative polycarboxylic ether (PCE) based superplasticiser ideally suited for precast industry. A specifically designed formulation with active ingredient, Sika ViscoCrete ACE 8570 offers excellent dispersion of cement at low water binder ratio and exceptional early strength development, for precast industries. The rapid development of early strength of Sika ViscoCrete ACE 8570 allows for zero or minimum application of heating curing processes. The combination of early strength, slump retention and late strength development allows Sika ViscoCrete ACE 8570 to meet demanding concreting requirements, often exceeding the performance of conventional superplasticisers.

USES

Sika ViscoCrete ACE 8570 is suitable for work with normal to low water/cement ratios. The high water reduction, early strength and slump retention make Sika ViscoCrete ACE 8570 the ideal admixture for the ready-mix and precast concrete industry. The use of Sika ViscoCrete ACE 8570 also allows the manufacture of high performance concrete with high early (18-24 hours) and final strength.

CHARACTERISTICS / ADVANTAGES

Sika ViscoCrete ACE 8570 offers the following benefits:

- High water reduction capacity over conventional superplasticizers
- Suitable for use in spun pile application to reduce/eliminate the waste after spinning process
- Low permeability and high durability concrete
- Flowability for ease of placement and compaction
- Optimize curing cycle by shortening curing time or decreasing curing temperature
- Eliminate energy required for placing, consolidation and curing
- Better rheology properties
- Improved surface appearance and concrete quality
- High Early Strength concrete

PRODUCT INFORMATION

Chemical Base	polycarboxylic ether (PCE)
Packaging	205 liter Drum, 1000 liter Bulk
Shelf Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging
Storage Conditions	Store in cool and dry conditions at temperatures above 0°C, well ventilated place away from ignition sources, heat or flame. Protect from direct sunlight

Appearance / Colour Yellowish to Brown Liquid

Specific gravity 0.965 - 1.165

APPLICATION INFORMATION

Recommended Dosage The normally recommended dosage rate is 0.5 to 1.5 L per 100 kg of binder. Other dosages may be used in special cases according to specific job site conditions. In this case please consult our Technical Services Department

Dispensing Sika ViscoCrete ACE 8570 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.

Compatibility Sika ViscoCrete ACE 8570 is not compatible with Sikament RB and Sikament NN range of superplasticisers.

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.

Sika Philippines Inc.
888 Cayetano Avenue,
C5 Extension, Brgy. Palongon - Tipas
Taguig City, Philippines 1630
Telephone no. +63 2 8790-9800
Fax no. +63 2 8790-9828

Product Data Sheet
Sika® ViscoCrete® ACE 8570
June 2024, Version 01.01
02130100000002516

SikaViscoCreteACE8570-en-PH-(06-2024)-1-1.pdf

