

PRODUCT DATA SHEET

Sika® ViscoCrete® GL 128

(formerly MasterGlenium® 128)

High Range Water Reducing Admixture For Concrete

DESCRIPTION

Sika® ViscoCrete® GL 128 is an innovative versatile admixture based on polycarboxylic ether (PCE) polymers. Sika® ViscoCrete® GL 128 is specially engineered for the ready-mix concrete market to replace traditional water reducers and superplasticizers. Its configuration allows it to perform as a multifunctional admixture; it is possible to obtain a high quality concrete mix with good strength development and extended workability without delayed setting characteristics.

“The Total Performance Control” concept ensures that ready-mix producers, contractors and engineers get a concrete that is of the same high quality as originally specified; starting from production at the batching plant, to the delivery and application into place, and followed by its hardening process. Utilizing Rheodynamic™ concrete technology it provides a concrete mix with exceptional placing characteristics.

USES

Sika® ViscoCrete® GL 128 is used for the production of all grades from high quality to low specification ready-mix concrete. Sika® ViscoCrete® GL 128 may be used in combination with Sika® Stabilizer series admixtures for producing SSC concrete, capable of self-compaction, even in the presence of dense reinforcement.

FEATURES

Sika® ViscoCrete® GL 128 offers the following benefits for;

The ready-mix producer:

Capability of delivering high quality concrete at any time to the job site in place.

Production of a concrete with low water cement ratio that meets EN 206-1 without loss of workability.

Single product for many application needs.

The contractor / applicator:

Easier placing and faster strength development.

Improved concrete surfaces.

Guarantee to place the same concrete as specified and ordered from ready-mix plant.

More versatile and forgiving concrete mix.

The engineer:

Insurance that concrete meets original specification

High quality concrete with better durability.

CERTIFICATES AND TEST REPORTS

EN - 934 - 2 : T 3.1/3.2

PRODUCT INFORMATION

Composition	Modified Polycarboxylic Ether Based
Packaging	1000 Kg IBC, Bulk
Shelf life	12 months if stored according to manufacturer's instructions in unopened container.
Storage conditions	Store in original sealed containers and at temperatures between 5°C and 35°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Appearance and colour	Brown, liquid
Density	1.061 - 1.101 kg/lit at 20°C
pH-Value	Approx. 6
Total chloride ion content	≤ 0.10 (by mass)

TECHNICAL INFORMATION

Concreting guidance	Sika® ViscoCrete® GL 128 is a ready-to-use admixture to be added to the concrete as a separate component. Optimal performance is obtained if Sika® ViscoCrete® GL 128 is dispensed into the concrete mix right after the addition of the first 80% of the mixing water, i.e. when all solids are wetted out. Avoid adding the admixture to the dry aggregates.
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APPLICATION INFORMATION

Recommended dosage	<p>The normally recommended dosage rate of Sika® ViscoCrete® GL 128 is approximately;</p> <ul style="list-style-type: none">• By Weight - 0.3 to 2.0 kg per 100 kg of cement (binder) content. <p>The dosage rates given above are for typical usages, they are not meant as absolute limits, as other dosages may be utilized in special cases according to specific job conditions. If required consult Sika Yapı Kimyasalları A.Ş. Division Technical Services Department for advice. Trial mixes should be carried out to ensure optimum dosage and effect. Where the concrete is to be machine finished by utilizing power float or power trowelling methods, we recommend that you contact with Sika Yapı Kimyasalları A.Ş. Technical Services Department for dosage rate guidance.</p>
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SYSTEM INFORMATION

Compatibility	<p>Sika® ViscoCrete® GL 128 can be used with all types of EN 197 Cements. For use with other special cements, contact our Sika Yapı Kimyasalları A.Ş. Technical Services Department.</p> <p>Sika® ViscoCrete® GL 128 should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing Sika® ViscoCrete® GL 128 they must be dispensed separately.</p> <p>Sika® ViscoCrete® GL 128 is not compatible with Sikament®(naphthalene) superplasticizers. In order to optimize special requirements the use of the following complementary additives is suggested:</p> <ul style="list-style-type: none">▪ Viscosity modifying agent Sika®Stabilizer® series to produce "Rheodynamic" concrete.▪ Air entraining agent SikaControl® AER series to improve frost/thaw resistance. <p>When such complimentary admixtures are required it is important that laboratory trials are performed, prior to any supply, to determine the respective dosages of any complimentary admixture, and the suitability, in the fresh and hardened state, of the resultant concrete. In these circumstances we recommend that you consult our Sika Yapı Kimyasalları A.Ş.</p>
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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

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing 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 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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