BUILDING TRUST

PRODUCT DATA SHEET

Sika® ViscoCrete®-3088+

High range water reducing concrete admixture

DESCRIPTION

Sika® ViscoCrete®-3088+ is a high range water reducing admixture with extended workability properties for concrete and mortar. It meets the requirements for set retarding / superplasticizing admixtures according to EN 934-2: 2001.

USES

Sika® ViscoCrete®-3088+ is used for the production of site batched and ready mix concrete with extended workability and when required for long transport distances.
Sika® ViscoCrete®-3088+ is recommended for:

- Concrete with the highest possible water reduction (up to 30%)
- High performance concrete
- Hot weather concreting and concrete with a long transport time and/or extended workability
- High fines concrete (such as with blended cements)
- Concrete produced with very reactive cement

CHARACTERISTICS / ADVANTAGES

Through surface absorption and sterical effects separating the binder particles, the following properties are achieved:

- Extremely powerful water reduction (thereby creating high concrete density and high strengths)
- Extends workability time while still maintaining high early strength
- Excellent plasticising effects, resulting in improved flow, placing and compaction characteristics
- Greatly improved watertightness
- Reduced creeps and shrinkage
- Reduced carbonation rate of the concrete

Sika® ViscoCrete®-3088+ does not contain chlorides or any other materials which promote the corrosion of steel reinforcement. It is therefore suitable for reinforced and pre-stressed concrete.

APPROVALS / STANDARDS

Conforms to the requirements of EN 934 - 2.

PRODUCT INFORMATION

Chemical Base	Aqueos solution of modified Polycarboxylate.
Packaging	200 litre IBC: 1000 litre
Appearance / Colour	Yellowish liquid.
Shelf Life	12 months from date of production
Storage Conditions	Store properly in an undamaged and unopened original sealed containers, in dry conditions and at temperatures between +5°C and +30°C. Protect from direct sunlight and frost.
Density	1.05 kg/l
pH-Value	4.5 + 0.5

APPLICATION INFORMATION

Recommended Dosage	0.2 – 1.5% by weight of cement.
Compatibility	Sika® ViscoCrete®-3088+ may be combined with many other Sika Products. Trials must be performed before combining products in a concrete 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.

LIMITATIONS

When using Sika® ViscoCrete®-3088+ a suitable mix design must be selected and local material sources should be trialled.
If frozen and/or if precipitation has occurred, Sika® ViscoCrete®-3088+ may only be used after thawing slowly at room temperature and intensive mixing.
Sika® ViscoCrete®-3088+ should not be added to dry cement.
Before pouring, suitability tests on the fresh concrete must be carried out.
Due to the extended workability, take special care that formwork is properly installed and secured.

ECOLOGY HEALTH AND SAFETY

Unmixed / mixed material must be desposed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.
Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the Material Safety Data Sheet.

DISPENSING

Sika® ViscoCrete®-3088+ is added to the gauging water at the plant or added on site into the concrete mixer. Allow enough time for the concrete to mix thoroughly.
The standard rules of good concreting practice, concerning production and placing, are to be followed. Refer to relevant standards.
Fresh concrete must be cured correctly.

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 South Africa (Pty) Ltd
9 Hocking Place,
Westmead, 3608
South Africa
Phone +27 31 792 6500
www.sika.co.za