

PRODUCT DATA SHEET

Sika® ViscoCrete®-3511 Ease

New superplasticizer technology imparts advanced rheological properties delivering a significant decrease in the viscosity of concretes and extended rheology maintenance

DESCRIPTION

Sika® ViscoCrete®-3511 Ease is a superplasticizer, high range water reducer from recent research work of R&D laboratories of Sika. Sika® ViscoCrete®-3511 Ease is designed to impart exceptional rheological properties to fresh concrete. It improves considerably the placing and finishing of concretes and enhances the ease of concrete pumping for all construction activities.

USES

Sika® ViscoCrete®-3511 Ease is recommended for the production of self-compacting concrete requiring low viscosity, long workability retention and high compressive strength.

Sika® ViscoCrete®-3511 Ease is specially formulated for the concrete industry. It is also suitable for applications in the general Civil and building sites.

It can be used for the realization and achievement of the following:

- Concrete complying to EN 206-1 / CN
- Precast and Site Mix concretes
- Superior Concrete pumping
- Reduction of Concrete waste
- Ease of compacting and finishing concrete

CHARACTERISTICS / ADVANTAGES

- Improved pumping (lower pressure and longer distance)
- Better response to vibration
- Greater Ease of Pumping
- Superior finishing, floating and smoothing operations
- Excellent flexibility, mobility and flow of self-compacting concrete.
- New windows for technical and economic optimization of concrete mix designs (addition and types of binder, choice of aggregates)
- High strength and resistance to segregation
- Workability retention over 120 minutes without retardation.
- Good compatibility with all types of cement and mineral additions
- Increased mechanical resistances
- Decreased porosity and permeability
- Decreased shrinkage and cracking
- Enhanced durability

APPROVALS / STANDARDS

IS 9103, ASTM C494 Type G

PRODUCT INFORMATION

Packaging	245kg drum
Shelf life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.
Appearance / Colour	Light to dark reddish brown liquid
Density	~1.05 kg/l at 25°C
pH-value	≥ 6

APPLICATION INFORMATION

Recommended Dosage	Recommended range: 500ml to 1800ml per 100kg cementitious material. For other uses, please contact your local Sika representative. To use in synergy and combination with another Sika product range, please consult your local Sika representative.
Dispensing	The optimal effect is generally achieved by dosing Sika® ViscoCrete®-3511 Ease in the concrete mix after addition 70% of water in the mixer.
Compatibility	Sika® ViscoCrete®-3511 Ease is compatible with most of the Sika products. It must not be used in conjunction with any other admixture unless prior approval is received from Sika Technical Services Department.

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

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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