

PRODUCT DATA SHEET

Sika® ViscoCrete®-3032 Ease

(formerly MasterEase® 3032)

New superplasticizer technology imparts advanced rheological properties

DESCRIPTION

Sika® ViscoCrete®-3032 Ease is a superplasticizer; high range water reducer designed to impart exceptional rheological properties to fresh concrete. It improves considerably the placing and finishing of concrete and enhances the pumping of concrete plants for construction activities.

USES

Sika® ViscoCrete®-3032 Ease is recommended for the production of concrete requiring low viscosity and high compressive strength. It imparts additional benefit of robustness to the addition of water or the variation of moisture content of aggregates thus reducing the likelihood of segregation to the mixes.

It can be used to achieve the following:

- Concrete complying to EN 206
- Superior concrete pumping
- Reduction of concrete waste
- Ease of compacting and finishing concrete
- High performance and high strength concrete
- Concrete for low environmental impact and high in mineral additions

CHARACTERISTICS / ADVANTAGES

Sika® ViscoCrete®-3032 Ease delivers many advantages both in the fresh concrete on hardened concrete. At fresh state, optimizing the rheology:

Decrease in the viscosity of concrete at constant W/C

Improvement in the implementation of concrete

- 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.

Possible reduction of W/C ratio without affecting the viscosity of 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
- Good compatibility with all types of cement and mineral additions

In the cured state, improvement of sustainability

- Excellent early and late compressive strength
- Improvement in quality of surface finishes
- As part of a reduction of W/C
 - Increased mechanical resistances
 - Decreased porosity and permeability
 - Decreased shrinkage and cracking
 - Enhanced durability

PRODUCT INFORMATION

Packaging

- 1000 L IBC tank
- Bulk delivery

Shelf Life

12 months from date of production

Storage Conditions

Store at a temperature above 5 °C and in tightly sealed original containers.

APPLICATION INFORMATION

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Recommended Dosage

500 ml to 1800 ml per 100 kg cement
For other uses, please contact your Sika representative.
The optimal effect is generally achieved by dosing Sika® ViscoCrete®-3032 Ease in the concrete mix after addition of 70 % of water in the mixer.
To use in synergy and combination with another Sika product range, please consult your Sika representative.

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

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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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