

PRODUCT DATA SHEET

Sika® ViscoCrete® GSC 3737 Ease

(formerly MasterEase® GSC 3737)

New Polycarboxylic etherbased superplasticizer for the production of high quality readymix concrete with low water cement ratio and exceptional workability

DESCRIPTION

Sika® ViscoCrete® GSC 3737 Ease is an innovative latest generation superplasticizer based on polycarboxylic ether (PCE) polymers and is specially engineered for ready-mix concrete. Sika® ViscoCrete® GSC 3737 Ease is differentiated from conventional superplasticisers, such as those based on sulphonated naphthalene formaldehyde condensate in that it is based on a unique carboxylic ether polymer with long lateral chains. This greatly improves cement dispersion. At the start of the mixing process the same electrostatic dispersion occurs but the presence of the lateral chains, linked to the polymer backbone, generate a steric hindrance which stabilises the cement particles capacity to separate and disperse. This mechanism provides flowable concrete with greatly reduced water demand.

USES

Sika® ViscoCrete® GSC 3737 Ease is used for the production of highquality readymix concrete.

FEATURES

Sika® ViscoCrete® GSC 3737 Ease Sika® ViscoCrete® GL 114 A E may be used in combination with MasterMatrix for producing Smart Dynamic Concrete (SDC). The technology produces advanced selfcompacting concrete, without the aid of vibration. For economic, ecological and ergonomic readymix / precast concrete production Sika® ViscoCrete® GSC 3737 Ease offers the following benefits for

THE READY- MIX PRODUCER:

- Capability of delivering high performance concrete at any time to the job site in place
- Production of a concrete with low water cement ratios with excellent workability retention properties.
- Single product for many application needs

THE CONTRACTOR / APPLICATOR:

- Easier placing and faster strength development
- Improved concrete surfaces

THE ENGINEER:

- Insurance that concrete meets original specification
- High quality durable concrete

PRODUCT INFORMATION

Packaging	1000 lt. flow bins. Bulk supply in tanker trucks is available upon request
Shelf life	Up to 12 months if stored according to manufacturer's instructions in unopened containers.
Storage conditions	Sika® ViscoCrete® GSC 3737 Ease should be stored out of direct sunlight and protected from extremes of temperature.
Appearance and colour	Yellowish liquid
Density	1.060-1.070
pH-Value	4 – 8

APPLICATION INFORMATION

Recommended dosage	The normally recommended dosage rate of Sika® ViscoCrete® GSC 3737 Ease is 0.8 to 3.0 litre per 100 kg of total cementitious material. Other dosages may be recommended in special cases according to the specific site conditions. In this case please consult our Technical Service department for advice.
Compatibility	Sika® ViscoCrete® GSC 3737 Ease is not compatible with MasterRheobuild® 2006 superplasticizers. Sika® ViscoCrete® GSC 3737 Ease is suitable for mixes containing: <ul style="list-style-type: none">▪ Microsilica (Silica Fume)▪ Fly Ash (PFA)▪ GGBS (ground granulated blast furnace slag)

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

Sika® ViscoCrete® GSC 3737 Ease is a readyto-use admixture to be added to the concrete as a separate component. Optimal result is obtained if Sika® ViscoCrete® GSC 3737 Ease is poured into the concrete mix right after the addition of the first 80% of the mixing water, i.e. when all solids are wetted. Avoid adding the admixture to the dry aggregates.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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