

PRODUCT DATA SHEET

Sika® ViscoCrete®-3610P

HIGH PERFORMANCE SUPERPLASTICISER

DESCRIPTION

Sika® ViscoCrete®-3610P is a third generation superplasticiser for concrete and mortar. It is particularly developed for the production of high flow concrete with exceptional flow retention properties that needs high early strength.

USES

Sika® ViscoCrete®-3610P is especially suitable for concrete mixes with long workability, powerful water reduction, excellent flowability that needs high early strength.

Sika® ViscoCrete®-3610P is suitable for the production of both precast concrete and ready mix concrete. With its outstanding combination of workability time and early strength development Sika® ViscoCrete®-3610P is used for the following:

- A wide range of applications where excellent workability and good early strength development are required
- Concrete with ultra-high water reduction (up to 30 %)
- High performance concretes
- Self-compacting Concrete

CHARACTERISTICS / ADVANTAGES

Sika® ViscoCrete®-3610P is a powerful superplasticiser based on advanced technology which gives the following advantages:

- Extremely powerful water-reduction, resulting in high density, high strength and reduced permeability
- Excellent plasticising effect, resulting in improved flowability, placing and compacting behaviour. Therefore suitable for the production of self-compacting concrete.
- Extended workability with fast strength development
- Improved shrinkage and creep behaviour
- Provides many opportunities for cost improvement e.g: Cement reduction, More economic mix design, Reduced energy costs for steam cured precast elements, Reduction of potential claims etc

Sika® ViscoCrete®-3610P does not contain chlorides or other ingredients promoting corrosion of steel reinforcement. It is therefore suitable for reinforced and prestressed steel.

PRODUCT INFORMATION

Chemical Base	Modified polycarboxylate in water
Packaging	210 kg drums (non returnable) Bulk Delivery
Appearance / Colour	Liquid / Turbid Whitish
Shelf Life	12 months from date of production if stored properly in original and unopened packaging
Storage Conditions	Store in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost.

Density ~1.060 ± 0.005 kg/L (at +20 °C)

TECHNICAL INFORMATION

Concreting Guidance The standard rules of good concreting practice, concerning production and placing, are to be followed.
Fresh concrete must be cured properly and as early as possible.

APPLICATION INFORMATION

Recommended Dosage	For medium workability concrete	0.2 - 0.8 % by weight of binder
	For concrete with high workability, very low water / cement ratio and self compacting concrete (SCC)	0.8 - 2.0 % by weight of binder

Compatibility Sika® ViscoCrete®-3610P may be combined with the following products:

- Plastiment® P121R
- Plastiment® VZ
- Sika® Fume
- SikaFibre®

Do not use viscocrete / viscoflow series combined with sikament series.
To produce flowing and / or self-compacting concrete, special concrete mix design is required.
Pre-trials are recommended and mandatory if combinations with the above products are required.
Please consult to our Technical Service Department.

APPLICATION INSTRUCTIONS

DISPENSING

Sika® ViscoCrete®-3610P is added to the gauging water or simultaneously added with water into the concrete mixer.

To take advantage of the high water reduction, a wet mixing time of at least 60 seconds is recommended.

LIMITATIONS

Excessive water addition of over-dosing may cause bleeding and segregation.

If frozen and / or if precipitation has occurred, Sika® ViscoCrete®-3610P may be used after thawing slowly at room temperature and after intensive mixing.

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

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.

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.

PT. Sika Indonesia

Jl. Raya Cibinong-Bekasi km.20.

Cileungsi, Bogor 16820 - Indonesia

Tel. +62 21 8230025

Fax. +62 21 8230026

Website: idn.sika.com

email: sikacare@id.sika.com



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