

Sika® ViscoCrete® -3610P

High Performance Superplasticiser

Description	<p>Sika® Viscocrete® -3610P is a third generation superplasticiser for concrete and mortar.</p> <p>It is particularly developed for the production of high flow concrete with exceptional flow retention properties that needs high early strength Complies with A.S.T.M. C 494-92 Type F</p>
Uses	<p>Sika® Viscocrete® -3610P is especially suitable for concrete mixes with long workability, powerful water reduction, excellent flowability that needs high early strength.</p> <p>Sika® Viscocrete® -3610P is suitable for the production of both precast concrete and ready mix concrete.</p> <p>With its outstanding combination of workability time and early strength development Sika® Viscocrete® -3610P is used for the following:</p> <ul style="list-style-type: none"> ■ 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
Advantages	<p>Sika® Viscocrete® -3610P is a powerful superplasticiser based on advanced technology which gives the following advantages:</p> <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> - Cement reduction - More economic mix design - Reduced energy costs for steam cured precast elements - Reduction of potential claims etc <p>Sika® Viscocrete® -3610P does not contain chlorides or other ingredients promoting corrosion of steel reinforcement. It is therefore suitable for reinforced and prestressed steel.</p>

Product Data

Appearance / Colour	Turbid Whitish Liquid
Packaging	210 kg drums (non returnable) Bulk Delivery
Shelf Life	12 months from date of production if stored properly in original and unopened packaging
Storage Condition	Dry, shaded place. Protect from direct sunlight and frost.



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Technical Data

Chemical Base	Modified polycarboxylate in water
Density	Specific density: approx. 1.050 kg/ltr (at +25°C)

System Information

Dosage	Recommended dosage for a concrete with high workability <ul style="list-style-type: none"> ■ 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 - 1.8% by weight of binder
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Application

Condition / Limits

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

- Plastiment® VZ
- Sika® AER
- Sika® Fume
- Sika® Stabiliser 4R ID

Pre-trials are recommended if combinations with the above products are required. Please consult our Technical Service Department.

To produce flowing and/or self-compacting concrete, special concrete mix design is required. Pre-trials are mandatory. Please consult 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.
Application Method / Tools	The standard rules of good concreting practice, concerning production as well as placing, are to be followed. Fresh concrete must be cured properly and as early as possible.
Cleaning of Tools	Clean all tools and application equipment with water immediately after use. Hardened/cured material can only be mechanically removed.
Notes on Application Limits	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.
Protective Measure	Upon contact with skin, wash off with water and soap. In case on contact with eyes or mucous membrane, rinse immediately with clean water and seek medical attention without delay.
Important Notes	All technical data stated in This Product Data Sheet are based on laboratory tests. Actual data may vary due to changing conditions beyond our control. Residues of material must be removed 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 safety data sheet.

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 product 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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