

PRODUCT DATA SHEET

Sika® ViscoCrete® PC-6 C

High performance superplasticizer for the Sika® ViscoCrete® toolbox

DESCRIPTION

Sika® ViscoCrete® PC-6 C is a high-performance superplasticizer based on Sika® ViscoCrete® polycarboxylate polymer technology.

USES

Sika® ViscoCrete® PC-6 C is a part of the Sika® ViscoCrete® toolbox and should be used accordingly.

Sika® ViscoCrete® PC-6 C is especially suitable for the production of concrete mixes which require extended workability, little to no water reduction and improved flowability.

CHARACTERISTICS / ADVANTAGES

Sika® ViscoCrete® PC-6 C is a powerful superplasticiser and acts through several different mechanisms including surface adsorption and sterical effects separating the binder particles. The following advantageous properties are achieved:

- Extremely powerful enhancement of the workability with little to no water reduction
- Superior plasticising effect, resulting in improved flowability, placing and compacting behaviour

Sika® ViscoCrete® PC-6 C does not contain chlorides or any other ingredients which promote the corrosion of steel. It is therefore suitable for use in reinforced and prestressed concrete structures.

PRODUCT INFORMATION

Composition	Modified polycarboxylate in water
Packaging	Drum IBC Bulk supply
Appearance / Colour	White-yellowish, slightly turbid liquid
Shelf life	12 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage conditions	Storage at temperatures between 10 °C and 30 °C. Protect from direct sunlight, frost and contamination.
Density	~1.11 kg/l at +23 °C
pH-Value	~5.0
Conventional dry material content	~50 M.-%
Viscosity	~375 mPa·s at +23 °C

TECHNICAL INFORMATION

Concreting guidance

The standard rules of good concreting practice, concerning production and placing, are to be followed.
Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components.
Fresh concrete must be cured properly and curing applied as early as possible.

IMPORTANT CONSIDERATIONS

When using Sika® ViscoCrete® PC-6 C a suitable mix design has to be taken into account and local material sources shall be tested.

Excessive water addition or overdosing may cause bleeding or segregation.

Frost:

If frozen and / or if precipitation has occurred, Sika® ViscoCrete® PC-6 C may be used after thawing slowly at room temperature followed by intensive remixing.

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

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 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.

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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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