

PRODUCT DATA SHEET

Sika® ViscoCrete®-150 P

High-Performance Superplasticizer



DESCRIPTION

Sika® ViscoCrete®-150 P is a high-performance superplasticizer and water reducer in powder form based on Sika® ViscoCrete® polycarboxylate polymer technology.

USES

Sika® ViscoCrete®-150 P is formulated for applications in cementitious and ternary binder systems. The product is suitable for the production of dry mixed mortars and concrete for applications like:

- Floor screeds, self-levelling screeds and underlayments
- Grouts, non-shrink grouts, repair mortars and tile adhesives based on Portland cement, cement blends and ternary compounds
- Dry concrete and injection mortar

FEATURES

Sika® ViscoCrete®-150 P, Sika's polycarboxylate technology, works based on a combination of electrostatic forces and steric repulsion effects. Thus, solid particles can be effectively dispersed.

The benefits of Sika® ViscoCrete®-150 P include, but are not limited to the following:

- High water reduction
- Excellent flowability and self-levelling behaviour
- Results in highly reduced placing- and compacting input
- Increased early strength development
- Improved shrinkage and creep behavior
- Reduced mixing times due to rapid adsorption
- Outstanding long-term stability enables long slump life
- Low influence on binder hydration
- Efficiency over a wide pH-range
- Compatible with other additives (e.g. citric acid)
- Free of formaldehyde and ammonia

CERTIFICATES AND TEST REPORTS

Conforms to the requirements of EN 934-2, Table 3.1/3.2

PRODUCT INFORMATION

Composition	Modified polycarboxylates
Packaging	20 kg bags /800 kg per pallet. Smaller samples for testing are available on request.
Appearance and colour	White to yellowish powder
Shelf life	24 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage conditions	Dry storage at temperatures up to 30 °C. Protect from direct sunlight.

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Bulk density	0.6 ± 0.1 g/cm ³
pH-Value	4.0 ± 0.5 at +23 °C (40 % solution)
Total chloride ion content	≤ 0.1 %
Equivalent sodium oxide	≤ 2.0 % (Na ₂ O-equiv.)

APPLICATION INFORMATION

Recommended dosage	Depending on the application the dosage range of Sika® ViscoCrete®-150 P varies from 0.05 - 0.5 % by weight of binder. At high dosage segregation may occur as well as retardation of setting. Note: Preliminary testing is required to determine the exact dosage for your specific conditions. Please contact our technical service for more information and assistance.
Compatibility	Sika® ViscoCrete®-150 P may be combined with many other Sika products as well as with most existing activators/accelerators, retarders, redispersible powders, stabilizers and other additives used in dry-mix applications. In combination i.e. with other Sika® ViscoCrete® Powders and Retardan improvements in flowability and setting-time adjustment may be achieved. Note: Always conduct trials before combining products in specific mixes and contact our technical service for information about specific combinations with products.
Dispensing	Sika® ViscoCrete®-150 P is added to the dry mix. For optimum utilisation we recommend a minimal wet mixing time of 30 seconds for mortar. Clean all tools and application equipment with water immediately after use.

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.

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.

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.

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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