

## PRODUCT DATA SHEET

# Sika® ViscoCrete®-150 P

High-Performance Superplasticizer / HRWR

### 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

### CHARACTERISTICS / ADVANTAGES

Sika® ViscoCrete®-150 P is adsorbed onto the surface of the binder particles and due to repulsive forces from the effect known as steric hindrance, the solid binder particles are very effectively dispersed in the mix.

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

- High water reduction
- Excellent flowability (resulting in highly reduced placing and compacting efforts)
- Increased early strength development
- Improved shrinkage and creep behavior
- Reduced mixing times due to fast 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. fruit acids, such as citric acid)
- Free of formaldehyde and ammonia

### APPROVALS / STANDARDS

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

### PRODUCT INFORMATION

Chemical Base	Modified polycarboxylates
Packaging	20 kg bag
Appearance / 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.
Bulk Density	0.6 ± 0.1 g/cm <sup>3</sup>

pH-Value	4.0 ± 0.5 at +23 °C (40 % solution)
Total Chloride Ion Content	≤ 0.1 %
Equivalent Sodium Oxide	≤ 2.0 %

## TECHNICAL INFORMATION

<b>Specific Advice</b>	Dosage rate varies depending on the application and due to variations in dry-mix composition. At high dosage bleeding and/or segregation may occur as well as retardation of setting. Note: <ul style="list-style-type: none"> <li>▪ Preliminary testing is required to determine the exact dosage for your specific conditions. Please contact Sika technical service for more information and advice.</li> </ul>
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## APPLICATION INFORMATION

<b>Recommended Dosage</b>	Dosage range for typical applications: 0.05 - 0.5 % by weight of binder.
<b>Compatibility</b>	Sika® ViscoCrete®-150 P may be combined with many other Sika products as well as with most commonly used activators/accelerators, retarders, re-dispersible powders, stabilizers and other additives used in dry-mix applications. In order to achieve an optimal effect with respect to initial liquefaction and slump keeping, the combination with another Sika® ViscoCrete® Powder is possible. Note: <ul style="list-style-type: none"> <li>▪ Always conduct trials before combining products in specific mix designs and contact Sika technical service for any additional information and advice concerning specific combinations with other products.</li> </ul>
<b>Dispensing</b>	Sika® ViscoCrete®-150 P is added to the dry mix. For optimum utilisation of the high water reduction capability, the mortar must be mixed intensively. The wet mixing time depends on the mixer.

## 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.

taining physical, ecological, toxicological and other safety-related data.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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) con-

## 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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### Product Data Sheet

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