

## PRODUCT DATA SHEET

# Sika® ViscoCrete®-125 P

### DESCRIPTION

Sika® ViscoCrete®-125 P is a high-performance super-plasticizer and water reducer in powder form based on Sika® ViscoCrete® polycarboxylate polymer technology.

### USES

Sika® ViscoCrete®-125 P is formulated for applications in systems with Portland cement, cement blends, ternary compounds and calcium sulfate binders.

The product is especially suitable for the following dry-mixed mortar and concrete applications:

- Cement and anhydrite floor screeds, self-leveling screeds and underlayments
- Grouts, non-shrink grouts, repair mortars & tile adhesives based on Portland cement, cement blends and ternary compounds

### CHARACTERISTICS / ADVANTAGES

Sika® ViscoCrete® works based on a combination of electrostatic forces and steric repulsion effects. Thus, solid particles can be effectively dispersed.

The benefits of Sika® ViscoCrete®-125 P include, but are not limited to the following:

- High water reduction (resulting in high density and strength)
- Excellent flowability (resulting in highly reduced placing and compacting efforts)
- Increased early strength development
- Improved shrinkage and creep behavior
- Reduced mixing times due to rapid adsorption
- Long-term stability enables long slump life
- Low influence on hydration, thus low activator/accelerator consumption
- Compatible with other additives
- Free of formaldehyde and ammonia

### APPROVALS / STANDARDS

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

### PRODUCT INFORMATION

<b>Chemical base</b>	Modified polycarboxylates
<b>Packaging</b>	12.5 kg bag
<b>Shelf life</b>	24 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
<b>Storage conditions</b>	Dry storage at temperatures up to 30°C. Protect from direct sunlight.
<b>Appearance / Colour</b>	White to yellowish powder
<b>Bulk density</b>	0.6 ± 0.1 g/cm <sup>3</sup>
<b>pH-value</b>	4.0 ± 0.5 at +23 °C (40 % solution)
<b>Total chloride ion content</b>	≤ 0.1 %
<b>Equivalent Sodium Oxide</b>	≤ 2.0 %

# TECHNICAL INFORMATION

## Specific Advice

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:

- Preliminary testing is required to determine the exact dosage for specific conditions. Please contact Sika technical service for more information and advice.

## APPLICATION INFORMATION

### Recommended Dosage

Dosage range for typical applications: 0.05 - 0.5 % by weight of binder.

### Dispensing

Sika® ViscoCrete®-125 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.

### Compatibility

Sika® ViscoCrete®-125 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 combination i.e. with other Sika® ViscoCrete® Powders improvements in flowability and workability time may be achieved.

Note:

- Always conduct trials before combining products in specific mixes and contact Sika technical service for more information and advice. concerning specific combinations with other products.

## 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.

## 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 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.

### Sika India Pvt. Ltd.

620, Diamond Harbour Road  
Commercial Complex II  
Kolkata - 700 034  
West Bengal, India

### Contact:

Phone: +91 33 2447 2448  
Fax: +91 33 2397 8688  
info.india@in.sika.com  
www.sika.in



### Product Data Sheet

Sika® ViscoCrete®-125 P  
October 2023, Version 01.03  
021304011000000005

SikaViscoCrete-125P-en-IN-(10-2023)-1-3.pdf