

# Sika® ViscoCrete®-125 Powder

## High Performance Powder Superplasticiser

**Description** Sika® ViscoCrete®-125 Powder is a third generation powder superplasticiser for concrete and mortar.

**Where to Use** Sika® ViscoCrete®-125 Powder is particularly suitable for the production of dry mortar and concrete mixes. Sika® ViscoCrete®-125 Powder facilitates extreme water reduction, excellent flowability with, at the same time, optimal cohesion and the highest self-compacting behaviour. High water reduction, excellent flowability, coupled with good early strengths, have a very positive influence on the properties of the mortars and concrete containing it.

Sika® ViscoCrete®-125 Powder can be used in the following types of products:

- Grouts (including non-shrink grouts)
- Cementitious screeds (including self-levelling screeds)
- Gypsum and anhydrite screeds

Can also be combined with other Sika® ViscoCrete® powders to obtain maximum performance in flow or retardation etc.

**Advantages** Sika® ViscoCrete®-125 Powder combines different mechanisms. Through both surface adsorption and sterical separation effects on the binder particles, simultaneously with the hydration process, the following properties are obtained:

- Very high water reduction (resulting in high density and strengths)
- Very good flowability (resulting in highly reduced placing and compacting efforts)
- Increased high early strength development
- Improved shrinkage and creep behaviour
- Low absorption time (time to function)
- Medium retardation (extended slump life)

**Standards** It conforms to the requirements for superplasticisers according to SIA 162 (1989) and prEN 934-2.

Typical Data	
<b>Packaging</b>	20 kg (44 lb) bag
<b>Colour and Form</b>	White powder
<b>Shelf Life and Storage</b>	12 months from date of production if stored properly in undamaged unopened, original sealed packaging, in dry conditions at temperatures between 5 - 30°C (41 - 86°F). Protect from direct sunlight and frost.
Properties	
<b>Chemical Base</b>	Modified polycarboxylate powder
<b>Density</b>	1.080 to 1.120
<b>pH Value</b>	4.0 - 5.0 at 23°C (73°F) (50% solution)
<b>Total Chloride Ion</b>	
Content % w/w	< 0.01
The data presented in this document are based on tests obtained under laboratory conditions. Actual measured data may vary due to circumstances beyond our control.	

### How to Use

**Dosage** Dependent on the application, the dosage of Sika® ViscoCrete®-125 Powder varies from 0.05 - 0.5% of the dry mix weight. At high dosage, Sika® ViscoCrete®-125 Powder can cause retardation as it can at low temperatures.

**Mixing** Sika® ViscoCrete®-125 Powder is added to the dry mix in the end of the products manufacturing process. For optimum utilisation of the high water reduction, we recommend a minimal wet mixing time of 60 seconds for products produced with Sika® ViscoCrete®-125 Powder.

**With other admixtures:** Sika® ViscoCrete®-125 Powder may be combined with many other Sika® products as well as with most existing redispersible powders used in these types of products, including, Accelerators and Retarders.

**Important:** Always conduct trials before combining products in specific mixes and contact our technical service department for information about specific combinations.



# Construction

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**Clean Up** Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically

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**Health and Safety Information** For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the **most recent Material Safety Data Sheet** containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN  
FOR INDUSTRIAL USE ONLY

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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, within their shelf life. 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 recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under [www.sika.ca](http://www.sika.ca).

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