

## PRODUCT DATA SHEET

# Sika® ViscoCrete®-31 PowerPack AS

Superplasticizer compound with anti-streak effect for high sand robustness

### DESCRIPTION

Sika® ViscoCrete®-31 PowerPack AS is a powdery superplasticizer compound based on Sika® ViscoCrete® Polycarboxylate-Polymer-Technology with anti-streak effect in view of high robustness for flowable dry mortar systems based on calcium sulphate or cement.

### USES

Sika® ViscoCrete®-31 PowerPack AS is suited for flowable dry mortar systems, which tend to wash out particles (soot, fly ash) from binder and or sand.

- Dry mortar calcium sulphate flow screeds
- Binder mixture for construction site flow screeds
- Cementitious flowable mortar systems

### FEATURES

Sika® ViscoCrete®-31 PowerPack AS works based on a combination of electrostatic forces and steric repulsion effects. Thus, solid particles can be dispersed effectively. The special formulation of Sika® ViscoCrete®-31 PowerPack AS is reducing streaks from particles very efficiently.

The benefits include, but are not limited to the following:

- Very high robustness against particle washout
- High water reduction at low dosage
- Very good flowability and self-levelling behaviour
- Reduced mixing times due to rapid adsorption
- Low influence on hydration
- Good stabilizing influence on the screed mix
- Efficiency over a wide pH-range
- Compatible with other additives, e.g. citric acid
- Free of formaldehyde and ammonia

### PRODUCT INFORMATION

<b>Composition</b>	Modified polycarboxylate with additives
<b>Packaging</b>	20 kg bags / 960 kg per pallet
<b>Appearance and colour</b>	Beige to light grey powder
<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>Bulk density</b>	Approx. 1.04 g/cm <sup>3</sup>
<b>pH-Value</b>	Approx. 6 (40% solution)

## APPLICATION INFORMATION

<b>Recommended dosage</b>	Depending on the application, the dosage of Sika® ViscoCrete®-31 PowerPack AS varies from 0.1 to 0.3% of the binder content. At high dosage, Sika® ViscoCrete®-31 PowerPack AS can cause retardation as well as at low temperatures.
<b>Compatibility</b>	Sika® ViscoCrete®-31 PowerPack AS may be combined with many other Sika® Products as well as with most existing accelerators, retarders and other additives used in dry-mortar applications. In combination i.e. with SikaTard®, improvements in flowability and processing time may be achieved. Important: Always conduct trials before combining products in specific mixes and contact our technical service for information about specific combinations with Sika products.
<b>Dispensing</b>	Sika® ViscoCrete®-31 PowerPack AS is added to the dry mix. For optimum utilisation of the high water reduction we recommend a minimal wet mixing time of 30 seconds for mortar.

## 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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