

PRODUCT DATA SHEET

Sika® Stabilizer Flow-100

POWDERED HIGH PERFORMANCE SUPERPLASTICISER

PRODUCT DESCRIPTION

Sika® Stabilizer Flow-100 is a powdered admixture for concrete which is used as a high performance superplasticiser and water reducer. It is based on Sika® ViscoCrete® polycarboxylate polymer technology and supplied in water-soluble bags. It may be added to the concrete in the drum of a ready mix truck or at the batching plant.

USES

A universal concrete admixture used to positively adjust the consistence range on construction sites where it may be needed due to unplanned disruption in concreting operations.

CHARACTERISTICS / ADVANTAGES

- Fast and easy way to adjust workability on site
- Powder is effectively dispersed in the mix
- Adjusts the workability and/or consistency without a negative influence on the compressive strength

PRODUCT INFORMATION

Chemical Base	Modified polycarboxylates
Packaging	0,175 kg water-soluble bags 75 bags per sealed container. Refer to current price list for packaging variations.
Appearance / Colour	White powder
Shelf Life	24 months from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +40 °C. Always refer to packaging.
Density	~1310 kg/m ³
Total Chloride Ion Content	< 0,1 %
Equivalent Sodium Oxide	< 1,0 %

TECHNICAL INFORMATION

Concreting guidance

The standard rules of good concreting practice, concerning production and placing must be followed.

Laboratory trials must be carried out before concreting on site, especially when using a new mix design or producing new concrete components.

Fresh concrete must be cured properly and curing applied as early as possible.

Concrete Mix Design

When using Sika® Stabilizer Flow-100, a suitable mix design must be calculated. The local material sources used within the mix design must always be trialled and approved for suitability before commencement of the project.

APPLICATION INFORMATION

Recommended Dosage

1 bag/m³ and consistence class

Compatibility

Sika® Stabilizer Flow-100 may be combined with many other Sika products. Trials must always be carried out before combining products in specific mixes. Contact Sika Technical Services for additional information and any specific combinations.

Dispensing

Sika® Stabilizer Flow-100 can be added to the concrete in the drum of a ready mix truck or at the batching plant with the aggregate or cement to assist dispersion.

A wet mixing time at the batching plant of at least 90 seconds is recommended (dependant on mixing conditions and mixer performance).

When added to the concrete in the drum of a ready mix truck at the job-site. In this case, an additional mixing time of at least 1 minute per m³ of concrete (minimum 5 minutes) must be completed before placement.

Before placement, check the concrete visually for a uniform consistency.

VALUE BASE

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.

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) containing physical, ecological, toxicological and other safety-related data.

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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