

PRODUCT DATA SHEET

Sika® Stabilizer SI-100

SURFACE IMPROVER & WATER REDUCER WITH STAINING REDUCTION ON FLY ASH CONCRETE

DESCRIPTION

Sika® Stabilizer SI-100 allows the utilization of recycled materials such as fly ash and manufactured sands, thereby decreasing the cost per cubic meter while maintaining a preferred aspect on the concrete surface.

Sika® Stabilizer SI-100 is non-PCE type polymer which exhibits both water reducing and staining reduction on fly ash concrete surfaces.

USES

Sika® Stabilizer SI-100 is used for the following types of concrete:

- RMC and Pre-cast concrete produced with fly ash, manufactured sands
- Coloured concrete

Sika® Stabilizer SI-100 provides water reduction and can be used as a stand-alone product. Further, Sika® Stabilizer SI-100 might be combined with other Sika admixtures (always conduct trials and consult Sika first).

CHARACTERISTICS / ADVANTAGES

Sika® Stabilizer SI-100 effectively disperses very fine contaminates in fly ash and manufactured sands. Sika® Stabilizer SI-100 provides the following advantages on concrete surfaces:

- Improves the surface appearance by preventing the migration of contaminates (unburned carbon in fly ash and lignite in manufactured sands) from accumulating on the surface, thus affecting the surface aspect of the concrete.
- Also, provides a uniform dispersal and stability of colour pigment throughout the coloured concrete.

PRODUCT INFORMATION

Chemical Base	Polymer with polyalkylene glycol polymer graft chains
Packaging	1,000 kg Container
Appearance / Colour	Yellow brown liquid
Shelf Life	3 months if stored properly in original unopened packaging
Storage Conditions	Stored in dry conditions, protected from direct sunlight and at temperatures between +5°C and +30°C
Density	1.050 to 1.110 g/cm ³ (at 20)
pH-Value	Approx. 6 (undiluted solution)

TECHNICAL INFORMATION

Concreting Guidance	<p>Concrete Placing: With the use of Sika® Stabilizer SI-100, quality concrete is being produced, however state of the art Concrete technology, such as mixing, placing vibrating and curing must be respected and applied.</p> <p>Curing: Effective measures for concrete curing must be followed.</p>
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APPLICATION INFORMATION

Recommended Dosage

0.05 % to 0.50 % × cement or binders in weight

Compatibility

Sika® Stabilizer SI-100 may be combined with other Sika admixtures such as Sika® ViscoCrete®, Sika® Plastocrete®, SikaPlast®, Sika® Air Mix, but must be added separately to the mix and not pre-mixed prior its addition. Product separation can occur when Sika® Stabilizer SI-100 is pre-mixed at high concentration. Please contact Sika for further assistance.

LIMITATIONS

- Overdosing will result in an increased setting time of the concrete.
- Use an appropriate concrete mixer and do not mix by hand.
- Trial mixes are recommended to establish exact dosage rates required to suit individual requirements.
- Please contact Sika for further assistance.

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.

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. 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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