

PRODUCT DATA SHEET

SikaControl®-100 PerFin

Concrete Surface Enhancing Admixture

DESCRIPTION

SikaControl®-100 PerFin is a formulated liquid concrete admixture used to improve finished concrete surfaces. It reduces surface defects of the concrete.

USES

SikaControl®-100 PerFin is recommended for use in cases when concrete with minimum surface defects is required or whenever high architectural and aesthetic requirements are desired.

SikaControl®-100 PerFin can be used for:

- Structural concrete
- Precast/ Prestressed concrete
- Architectural concrete with high aesthetic demands
- Concrete with high requirements on surface quality
- SikaControl®-100 PerFin is a non-chloride based admixture. It does not promote the corrosion of steel reinforcement.
- SikaControl®-100 PerFin is not recommended for use in air entrained concrete.

CHARACTERISTICS / ADVANTAGES

SikaControl®-100 PerFin significantly improves quality of the concrete surface. The amount of pinholes, open pores and other surface defects are reduced when SikaControl®-100 PerFin is utilized in concrete mixes.

- Concrete with minimum surface defects
- Improved concrete durability
- Improved aesthetics and uniformity of concrete surfaces
- Improved concrete smoothness
- Reduced risk of rejection due to surface quality related issues
- Reduced labor needed for surface patching

PRODUCT INFORMATION

Packaging	230kg drum
Shelf life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +10°C and +40°C. Protect from direct sunlight and frost.
Appearance / Colour	Light yellowish to light brown liquid
Density	0.93 kg/l at 25°C

APPLICATION INFORMATION

Recommended Dosage	Recommended dosage rates will be typically between 0.2% to 0.5% by weight of cement/cementitious. The effectiveness of SikaControl®-100 PerFin depends on concrete mix design, cleanness of formwork and form release agent. Actual dosage to be finalised on the basis of site trials. Stir well before use.
Dispensing	To achieve best performance add SikaControl®-100 PerFin into the mixing water. It is possible to add SikaControl®-100 PerFin directly to the freshly mixed concrete in the concrete mixer at the end of the batching cycle. To achieve proper dispersion of SikaControl®-100 PerFin throughout the entire concrete volume, mixing time of minimum 90 seconds is recommended. It should not be dispensed directly onto cement, slag or fly ash etc.
Compatibility	SikaControl®-100 PerFin is compatible with majority of Sika® admixtures, however, each admixture should be added separately to the mix. It is compatible with all types of cements and cementitious materials. Important: Always conduct trials before combining products in specific mixes and contact our technical services for information and advice for any specific combination.

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.

IMPORTANT CONSIDERATIONS

It is not possible to use air entraining agent with SikaControl®-100 PerFin. Before application suitability tests must be performed.

If frozen and/or if precipitation of the product has occurred, it may be used after thawing slowly at room temperature and intensive mixing.

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 Material Safety Data Sheet containing 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.

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