



PRODUCT DATA SHEET

Sika® PerFin-305

SURFACE ENHANCING AND AIR DETRAINING ADMIXTURE

PRODUCT DESCRIPTION

Sika® PerFin-305 is a concrete admixture formulated to enhance finished concrete surfaces and/or reduce the air content of concrete. Sika® PerFin-305 meets the requirements of ASTM C494/AASHTO M 194, Type S.

WHERE TO USE

Sika® PerFin-305 is recommended for use when concrete with minimum surface defects is required or whenever high architectural and aesthetic requirements are desired or a reduction of air content is needed. Sika® PerFin-305 can be used for:

- Structural concrete
- Precast / prestress concrete
- Architectural concrete with high aesthetic demands
- Concrete with high requirements on surface quality

CHARACTERISTICS / ADVANTAGES

Sika® PerFin-305 is formulated to provide a concrete surface free of open pores and other surface defects.

Sika® PerFin-305 also provides:

- Improved aesthetics and uniformity of concrete,
- Improved concrete durability,
- Reduced risk of concrete rejection due to surface quality related issues,
- Reduced labor required for surface patching.

Sika® PerFin-305 can also be used for the purpose of reducing the total air content of concrete. In non-air entrained concrete mixes, Sika® PerFin-305 can be added to minimize undesired air content. In air entrained concrete mixes, Sika® PerFin-305 can be used two ways.

It can be used to reduce the total air content to meet the project requirements or it can be used prior to the

addition of a standard air entraining admixture. When used in air entrained concrete mixes, it is recommended to perform trial evaluations to verify the quality of the air-void system and to ensure the concrete meets the plastic and hardened project requirements.

Sika® PerFin-305 does not contain intentionally added chlorides.

ENVIRONMENTAL INFORMATION

Enables use of otherwise rejected concrete due to air contents above the specified limit.

APPROVALS / CERTIFICATES

Sika® PerFin-305 meets the requirements of ASTM C494, Type S admixture.

PRODUCT INFORMATION

CSC MasterFormat®	03 05 00
Packaging	20 L (5.3 US gal.) pail 205 L (54 US gal.) drum 1040 L (275 US gal.) IBC Bulk delivery
Shelf Life	1 year in original, unopened and undamaged packaging.
Storage Conditions	Store dry at warehouse temperatures between 5 °C and 27 °C (40 °F and 80 °F). Protect from frost and direct sunlight. If frozen, thaw and agitate thoroughly to return to normal state.
Appearance / Colour	Yellowish Liquid
Specific Gravity	Approx. 0.89

APPLICATION INFORMATION

Recommended Dosage	Recommended dosage will be typically between 0.2–0.5 % by weight of cementitious material (195 to 490 mL /100 kg of cement). The effectiveness of Sika® PerFin-305 depends on concrete mix design, cleanness of form work and form release agent.
Mixing	To achieve best performance, add Sika® PerFin-305 into the mixing water. It is possible to add Sika® PerFin-305 directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle. To achieve proper dispersion of Sika® PerFin-305 throughout the entire concrete volume, mixing time of minimum 90 seconds is recommended. Note: Use personal protective equipment (chemical resistant goggles / gloves / clothing) to handle product. Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations. In cases when Sika® PerFin-305 is stored in bulk tanks, periodic checks of dispensing lines are recommended to prevent product leakage. Use only oil resistant gaskets and hoses. Sika® PerFin-305 may cause deterioration of rubber.
Compatibility	Sika® PerFin-305 is compatible with majority of Sika admixtures, however, each admixture should be added separately to the mix. Sika® PerFin-305 can be used in mixes containing supplementary cementitious materials such as slag or flyash. It is always recommended to verify actual performance by conducting trial batches.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LIMITATIONS

- Sika® PerFin-305 is not recommended for use in air entrained concrete.
- Do not dispense Sika® PerFin-305 directly onto cement, slag or fly ash.

ENVIRONMENT, HEALTH & 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 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Product Data Sheet

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