

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.

USES

Sika® PerFin-305 is designed for use in concrete requiring minimal surface defects or when the reduction of air content is desired. Sika® PerFin-305 is suitable for use in a variety of concrete mixes and effective in concrete containing Portland Limestone Cement (PLC/Type IL) and supplementary cementitious materials.

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.

PRODUCT INFORMATION

Packaging	Available in 55-gallon (208-liter) drums and 275-gallon (1040-liter) totes.
Appearance / Color	Yellowish Liquid
Shelf Life	Shelf life when stored in original packaging in dry warehouse conditions

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.

A Manufacturer Inventory is available for Sika® PerFin-305.

For further information, please visit:
<https://usa.sika.com/en/sustainability.html>

between 40°F and 80°F (5-27°C) is six months from the date of manufacture.

Storage Conditions

Sika® PerFin-305 should be stored above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.

Specific gravity

Approx. 0.890

APPLICATION INFORMATION

Recommended Dosage

The typical dosage rate of Sika® PerFin-305 to improve surface appearance may vary up to 7.5 fl oz / 100 lb. (490 mL / 100 kg) of cement or cementitious materials. The effectiveness of Sika® PerFin-305 for improving surface appearance depends on concrete mix design, cleanliness of form work, and form release agent. The dosage rate required for air-entrained concrete mixes will typically be less. Various factors will affect the dosage rates.

Trial mixes with the actual materials should be conducted to determine the required dosage for optimum performance.

To the extent specialized materials are used, extreme ambient temperatures are encountered, or for other unusual project conditions, dosage rates outside the typical range may be required. For dosage rates outside the typical range, please contact your local Sika representative or the Sika Technical Services Department at 1-800-933-7452.

Mixing

Measure the required quantity manually or by automated dispenser. Add Sika® PerFin-305 directly into the mixing water or to the freshly mixed concrete at the end of the batching cycle. Do NOT mix with dry cement. Sika® PerFin-305 may be dispensed on-site directly prior to placement. Care must be taken to mix thoroughly. When used in combination with other admixtures, dispense each admixture separately into the mix.

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 can be used in combination with other Sika admixtures and can be successfully used in mix designs utilizing supplementary cementitious materials.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at

Product Data Sheet

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BUILDING TRUST



usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs.

NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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