

PRODUCT DATA SHEET

Sika® AIR

AIR ENTRAINING ADMIXTURE

PRODUCT DESCRIPTION

Sika® AIR is an organic aqueous solution for the air entrainment of concrete. Sika® AIR meets the requirements of ASTM C260/AASHTO M 154.

USES

Sika® AIR is designed for use in concrete requiring air entrainment and protection from freeze-thaw damage or the harmful effect of de-icing salts. Sika® AIR is suitable for use in a variety of concrete mixes.

CHARACTERISTICS / ADVANTAGES

Sika® AIR provides an enhanced concrete durability with a greater resistance to freeze-thaw cycles.

Sika® AIR also provides:

- Controllability of the air content,
- Improved air-void system,
- Reduced size and number of capillary channels,
- Improved workability especially in lean or harsh mixes,
- Reduced bleeding.

Sika® AIR does not contain intentionally added chlorides.

ENVIRONMENTAL INFORMATION

Lower carbon footprint through reduction in cementitious materials and in some cases sand. More durable concrete enhancing service life.

A Manufacturer Inventory is available for Sika® AIR.

PRODUCT INFORMATION

Packaging	Available in 55-gallon (208-liter) drums, 275-gallon (1040-liter) totes and bulk delivery.
Shelf Life	Shelf life when stored in original packaging in dry warehouse conditions between 40° F and 80° F (5-27° C) is one year from the date of manufacture.
Storage Conditions	Sika® AIR should be stored above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to a normal state. If agitation is needed, DO NOT use pressurized air. Protect from direct sunlight.
Appearance / Color	Clear Orange-Brown Liquid
Specific gravity	1.010

APPLICATION INFORMATION

Recommended Dosage

The typical dosage rate of Sika® AIR will vary between 0.1-6.0 fl oz / 100 lb. (7-400 mL / 100 kg) of cement or cementitious materials. 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® AIR directly to the mixing water or to the sand stream, do NOT mix with dry cement. Sika® AIR 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.

Compatibility: Sika® AIR 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 information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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 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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Product Data Sheet

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