

PRODUCT DATA SHEET

SikaControl® AIR-160

AIR ENTRAINING ADMIXTURE

PRODUCT DESCRIPTION

SikaControl® AIR-160 is an aqueous solution of a unique, synthetically manufactured surfactant for the air entrainment of concrete. SikaControl® AIR-160 meets the requirements of ASTM C260/AASHTO M 154.

USES

SikaControl® AIR-160 is designed for use in concrete requiring air entrainment and protection from freeze-thaw damage or the harmful effect of de-icing salts. SikaControl® AIR-160 is specifically designed for use in high slump or SCC as well as in concrete mix designs requiring low dosages of air entraining agents, but is suitable for use in a variety of concrete mixes.

CHARACTERISTICS / ADVANTAGES

SikaControl® AIR-160 provides an enhanced concrete durability with a greater resistance to freeze-thaw cycles.

SikaControl® AIR-160 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.

SikaControl® AIR-160 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 SikaControl® AIR-160.

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	SikaControl® AIR-160 should be stored above 40°F (5°C). If frozen, DO NOT USE. Protect from direct sunlight.
Appearance / Color	Transparent Pink Liquid
Specific gravity	Approximately 1.003

APPLICATION INFORMATION

Recommended Dosage

The typical dosage rate of SikaControl® AIR-160 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 SikaControl® AIR-160 directly to the mixing water or to the sand stream, do NOT mix with dry cement. SikaControl® AIR-160 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: SikaControl® AIR-160 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 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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