



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 formula provides superior controllability of the air content in air-entrained concrete. SikaControl® AIR-160 increases concrete's durability, making it more resistant to the damaging effects of freezing and thawing, while improving workability and reducing bleeding. SikaControl® AIR-160 is suitable for use in high slump or SCC concrete as well as in concrete mix designs requiring low dosages of air entraining agents. SikaControl® AIR-160 meets the requirements of ASTM C 260 and AASHTO M 154.

USES

SikaControl® AIR-160 is designed for use in various precast and ready mix concrete applications such as highway paving, curb and gutters, sidewalks, driveways, slabs, walls, precast members etc., or in any concrete needing protection from freeze-thaw damage or the harmful effect of de-icing salts. SikaControl® AIR-160 can be also effectively used to improve concrete workability, especially in case of lean or harsh mixes.

CHARACTERISTICS / ADVANTAGES

- Superior resistance to freeze-thaw cycles and scaling.
 - Improves workability.
 - Suitable for use in high slump mix designs and / or SCC concrete.
 - Reduces bleeding.
 - Improves appearance of architectural concrete.
 - Substantially increased durability.
 - User friendly.
 - Superior air-void system.

PRODUCT INFORMATION

Packaging	SikaControl® AIR-160 is available in 55 gallon drums (208 liters), 275 gallon totes (1040 liters) and bulk delivery.
Appearance / Color	Transparent Pink Liquid
Shelf Life	Shelf life when stored in original packaging in dry warehouse conditions between 50 °F and 80 °F (10–27 °C) is 1 year from the date of manufacture.

Storage Conditions

SikaControl® AIR-160 should be kept above 3 °C (38 °F). If product drops below 3 °C (38 °F), DO NOT USE and immediately contact our Technical Department. If agitation is needed, DO NOT USE PRESSURIZED AIR.

Specific Gravity

Approximately 1.003

APPLICATION INFORMATION

Recommended Dosage

The recommended dosage range for SikaControl® AIR-160 is 0.1 to 6.0 fl.oz/100 lbs (7 to 400 ml/100 kg) of cementitious materials. Various factors such as concrete components, slump, temperature, additions of pozzolanic materials, mixing time, mixer type, and type and brand of cement will affect dosage rates.

It is recommended that trial mixes are conducted in order to determine the appropriate dosage to obtain required percentage of entrained air. In addition, a regular program of air tests should be instituted in order to adjust the dosage to changing conditions. Please contact your local Sika representative or Sika's technical service department at 1-800-933-7452 for any assistance in dosage recommendations.

Mixing

Measure the required quantity of admixture per batch manually or with automatic dispenser equipment. Add SikaControl® AIR-160 on sand stream or directly to mixing water. Do not mix SikaControl® AIR-160 with dry cement. When used in combination with other admixtures, care must be taken to dispense each admixture separately into the mix.

Combination with other Admixtures: Combination with other admixtures, may affect the amount of entrained air in the mix. If multiple admixtures are used, actual air content should be verified to ensure desired level of air entrainment is achieved.

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.

OTHER RESTRICTIONS

See Legal Disclaimer.

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.

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 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 201-933-8300.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: 800-933-7452
Fax: 201-933-6225

Sika Canada Inc.
601 Delmar Avenue
Pointe Claire
Quebec H9R 4A9
Phone: 514-697-2610
Fax: 514-694-2792

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



Product Data Sheet
SikaControl® AIR-160
May 2019, Version 01.03
02140302100000209

SikaControlAIR-160-en-US-(05-2019)-1-3.pdf

