



# PRODUCT DATA SHEET

## Sika® Air-60

### AIR-ENTRAINING ADMIXTURE FOR CONCRETE

#### PRODUCT DESCRIPTION

Sika® Air-60 is an aqueous solution of a unique, synthetically manufactured surfactant for the air entrainment of concrete. It is specifically designed with a lower active material content for concrete where low dosages of air-entraining admixtures are required. It also allows for air entrainment in stiffer concrete mixes. The admixture increases the durability of concrete, making it more resistant to the damaging effects of freeze/thaw cycles, while improving workability and reducing bleeding. Sika® Air-60 is carefully formulated and subjected to stringent quality control in order to ensure superior results in both the plastic and hardened concrete.

#### WHERE TO USE

- For exposed concrete using low slump mixes
- Production of concrete pipe; vibrated precast such as boxes, culverts, transitions, risers, catch basins; highway paving; curb and gutters; sidewalks; driveways and all other concrete which is subjected to freeze thaw damage or the harmful effects of de-icing salts
- To increase the workability of concrete, especially in lean or harsh mixes

#### PRODUCT INFORMATION

<b>CSC MasterFormat®</b>	<b>03 05 00</b>
<b>Packaging</b>	205 L (54 US gal.) drum 1040 L (275 US gal.) IBC Bulk delivery
<b>Shelf Life</b>	1 year when stored in dry warehouse conditions at temperatures ranging between + 5 °C and +27 °C (40 °F and 80 °F). Protect from direct sunlight.

#### CHARACTERISTICS / ADVANTAGES

- Superior resistance to freeze thaw cycles and scaling
- Improves workability
- Reduces bleeding
- Reduces size and number of capillary channels; increasing impermeability
- Increased compressive strength in lean mixes
- Substantially increased durability
- Increases moisture retention for cement hydration
- Superior air void system

#### APPROVALS / CERTIFICATES

- Meets the requirements of ASTM C260/260M-10A

**Storage Conditions** Store at temperatures above +5 °C (40 °F). If frozen, thaw and agitate thoroughly to return to normal state.  
**Note:** Do not use pressurized air for agitation.

**Appearance / Colour** Liquid / Clear

**Specific Gravity** Approx 1.0

## APPLICATION INFORMATION

**Recommended Dosage** The recommended dosage range for Sika® Air-60 is 30-1500 mL/100 kg of cementitious material.

**Note:** concrete constituents, slump, ambient air temperature, additions of pozzolanic materials, mixing time, and type and brand of cement will affect dosage rates. It is suggested that trial mixes be conducted, in order to determine the dosage needed to obtain the 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. Contact Sika Canada for advice.

**Mixing** Sika® Air-60 can be dispensed into any of the concrete constituents except cement, slag or fly ash. It is preferable to dispense it into the sand. Sika® Air-60 is compatible with other Sika® admixtures. However, each admixture should be added separately to the mix.

## 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.

## 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](http://www.sika.ca)

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### Other locations

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

### Product Data Sheet

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