Sika® Air 360

(Formerly Catexol A.E. 360)

Air-Entraining Admixture for Concrete

Description
Sika® Air 360 is an aqueous solution of a unique, synthetically manufactured surfactant for the air entrainment of concrete.

Sika® Air 360 is ideal for the production for low to no slump concrete, such as Roller Compacted Concrete (RCC). It allows for a superior control of air content and facilitates the finishing of stiff concrete mixes.

Sika® Air 360 increases concrete's durability, making it more resistant to the damaging effects of freezing and thawing, while improving workability and reducing bleeding. Sika® Air 360 is carefully formulated and subjected to stringent quality control in order to guarantee superior results in both the plastic and hardened concrete.

Where to Use
Sika® Air 360 is designed for use in exterior concrete such as Roller-Compacted Concrete (RCC), highway paving, curb and gutters, sidewalks, driveways, slabs, walls, or other areas needing protection from freeze/thaw damage or the harmful effect of de-icing salts. Sika® Air 360 is effective in increasing the workability of the concrete, especially in lean or harsh mixes.

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.

Standards
Sika® Air 360 meets or exceeds the requirements of ASTM C260 and CSA A23.1-00.

Typical Data

<table>
<thead>
<tr>
<th>Properties</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour and Form</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Shelf Life and Storage</td>
<td>1 year when stored in dry warehouse conditions between 5 - 27°C (40 - 80°F). Store at above 5°C (40°F). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.</td>
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<tr>
<td>Specific Gravity</td>
<td>Approx 1.01</td>
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How to Use

Dosage
The recommended dosage range for Sika® Air 360 is 7 - 400 mL/100 kg of cementitious material. The nature of various concrete materials, slump, ambient air temperature, mineral additions, mixing time and energy, will affect dosage rates. It is suggested that trial batches be conducted in order to determine the required dosage 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 your Sika Canada Technical Sales Representative for further information.

Mixing
For better results, it is recommended to dispense Sika® Air 360 into the batched water or with the aggregates. Sika® Air 360 is compatible with other Sika® admixtures. However, each admixture should be added separately to the mixer.
Clean Up
Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.

Health and Safety Information
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.

KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY