



E⁵ CONTROL AIR
Air detrainig admixture for
concrete mixes

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Description

e⁵ CONTROL AIR is an admixture that allows a controlled decrease in air content in concrete mixes. The air can be due to various reasons, amongst which we can mention: the chemicals used during cement grinding or some other addition, the use of aggregates from river Banks, or some chemical bases used during the production of chemical admixtures for concrete, etc. The factors mentioned, and some others, can provoke important air inclusions that can result in diminished mechanical strengths and even, and with higher frequency, delamination problems in concretes for industrial floors.

Benefits

- Allows decreasing air content in concrete mixes, down to acceptable levels, according to the application of the final product.
- Excellent in concretes for industrial floors that require the use of dry-shake concrete hardeners, while maintaining the air content established by ACI 302.

Technical information

Specific gravity 1.0

pH 7.0

Physical appearance: amber liquid

Presentation

19 kg pail, 200 kg drum

Useful life: 24 months in its original container

Principal applications

- High performance concretes
- Self consolidating concretes
- Industrial floor concretes
- High mechanical strength concretes
- Concretes containing silica fume
- Conventional concretes

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Directions for use






For better results we recommend lab tests with the job materials in order to make all the necessary adjustments in the concrete mix, such as: appearance, workability, consistency, air content, yield, setting times and the admixtures' dosage. Then, it is important to repeat the tests under real job conditions (humidity, temperature, time to deliver fresh concrete: mixer to job site, etc.) for the purpose of making the final adjustments.

e⁵ CONTROL AIR dosage can vary from 10 to 50 mL/m³ of concrete, depending on the concrete mix design to be used.

The calculated volume of e⁵ CONTROL AIR can be diluted in 10 L of water to improve results. Then, add the contents to the mixer before loading the materials. This will increase the efficiency of the product. Subtract the volume of water used in the dilution from the total mix design water. Avoid direct addition to the concrete mix

or after loading, since this diminishes its efficiency. During concrete sampling, it is highly recommended that air content be tested.

Cautions

-  Perform tests in combination with other admixtures in order to look for synergies, specially in air content.
-  Do not use with fluid fillers or light weight concretes.
-  Any important change in materials (change of aggregates, cement, etc.) will require the necessary adjustments in the dosage used.
-  Do not allow the product to freeze.
-  Always store the product in its original container.





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