



**ELEMENTS**  
QUÍMICA APLICADA

**e<sup>s</sup> AIR D10**

Air entraining admixture

# e<sup>5</sup> AIR D10

## Description

e<sup>5</sup> AIR D10 is an air entraining admixture for concretes and mortars. It is formulated based on tensoactive agents that help to give workability to the mix. This admixture does not contain added chlorides in its formulation.

## Benefits

- Reduces the unit mass of mortars and concretes, in applications that require improving thermal and acoustic properties of the elements.
- Reduces the necessary volume of water to achieve the required consistency, due to the entrained air.
- Admixture ready to be used, depending on the desired air content.
- Compatible with any chemical developed as an admixture.

## Technical information

Specific gravity 1.01

Physical appearance: slightly green liquid

## Presentation

19 L pails, 200 L drums and bulk

Useful life: 24 months in its original container

## Principal applications

- Concretes with coarse fine aggregates
- Light weight concretes
- Light weight mortars
- Temporary fillings
- Preparation of compounds to provide support below and behind tunnel structures and coatings.

## Directions for use

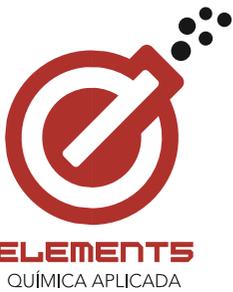
Lab tests with the materials to be use on the job are recommended to allow for all the necessary mix adjustments, such as appearance, workability, consistency, and the admixture's dosage. Then it is important to repeat testing under job conditions (humidity, temperature, etc.), with the purpose of making the final adjustments.

For fluid fills: Add the admixture before the mixer starts. Then load 80% of the mix water and the fine aggregate with the unit in motion. In this manner, the admixture's efficiency will increase. Finally add the cement and the rest of the design water. Dosages can vary from 0.1 mL to 5 mL per m<sup>3</sup> of the 1:10 dilution, and will depend on the dry mix design to be used.

## Cautions

-  Overdosage can lead to low mechanical strengths.
-  When mixing with lignosulphonate admixtures, it is necessary to control the dosage to prevent setting time delays.
-  Check setting times when using retarding admixtures to control the dosage and prevent setting time delays.
-  Regarding any important variation in materials (change of aggregates, cement, etc.), it is necessary to make the required adjustment in the design dosages.
-  Do not allow freezing of the product.
-  Always keep the product in its original container.





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Date of the last revision January 2016

#### **ELEMENT5**

División Químicos para la Construcción  
Carr. Lago de Guadalupe No. 127 Int. 601, Margarita  
Maza de Juárez, Atizapán de Zaragoza, Estado de  
México, Cp. 52926.  
Tel. +52 55 2484 2236 | +52 55 5384 0203 | +52 55 3778 9384  
contacto@element5.mx  
www.element5.mx