



**ELEMENTS**<sup>®</sup>  
QUÍMICA APLICADA

**e<sup>5</sup>**

**EXP CONTROL 10**

**CONTRACTION  
COMPENSATOR**



## DESCRIPTION

**e<sup>5</sup> Exp Control 10** is a powdered admixture used to compensate for shrinkage in Portland cement-based systems.

The system is based on the formation of a K type expansive component as outlined in ACI 223.

Test method to evaluate: ASTM C-878.

## BENEFITS

The use of **e<sup>5</sup> Exp Control 10** in concrete allows:

- Causes an expansion that must be calculated based on tests and the admixture system to be used.
- Compensates for shrinkage of portland cement-based systems without affecting strength characteristics or other traditional parameters.

## TECHNICAL INFORMATION

- Specific gravity: 3 - 5
- Physical Appearance: Fine white/grayish powder

## PRESENTATION

- 20 kg bag
- 25 kg bag

Useful life: 1 month in its original closed container and free of any type of humidity.

## PRINCIPAL APPLICATIONS

**e<sup>5</sup> Exp Control** can be used for the production of the following concretes:

- Shrinkage-compensated concrete
- Portland cement-based systems requiring shrinkage control such as: anchors, slabs, industrial floors, etc.
- Portland cement-based mortars requiring expansion control such as grouts, etc.

## DIRECTIONS FOR USE

It should be added uniformly with the aggregates at the time of loading the ready-mix unit.

The amount of dosage will depend on previous laboratory tests and can be between 8 and 15% of the weight of the cement.

Consult your **Element5 Integral Solutions Advisor** for the preparation of durable concretes along with economic benefits.

For any questions of the use of the product, please contact the **Element5 Technical Support** Department.



## CAUTIONS

- For the use of this product it is required that the cast element has a minimum period of 7 days saturated with water
- Preliminary tests should be carried out to determine the optimum dosage according to the application
- This product is highly sensitive to humidity and water, therefore the use of previously opened bags is not recommended
- Must be stored in a perfectly dry and sealed place
- Always keep the product closed in its original container, away from agents that could contaminate it. Do not damage the containers containing the product, as this may cause spillage. Consult the Safety Data Sheet (MSDS) before handling

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guaranties that the product meets the established quality and that it is exempt of fabrication problems.

When the product is outside it's established life, and it has been handled by the user, **Element5 Química Aplicada S.A. de C.V.** does not extend any type of additional warranty, as we have not control the present variables in the application or handling of the product.

The present document only contains general recommendations.

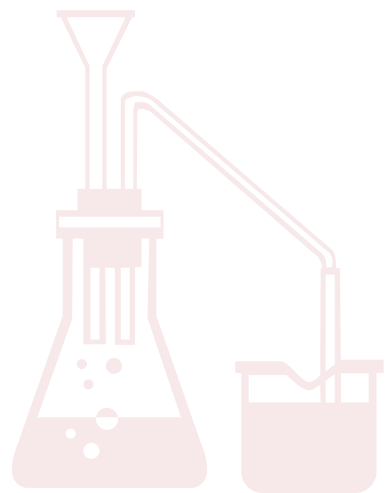
The technical interpretation that derives in specifications of our product is the user's responsibility.

That that is not written in this document and warranty is not contemplated.

If it's necessary to know in detail any data in reference to product or recommendations contact our **Element5 technical support**. Visit our website where our privacy statement is available for you.

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QUÍMICA APLICADA

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