

# $e^5$ SHOT AF L

**ALKALI FREE  
ACCELERATING  
ADMIXTURE**



## DESCRIPTION

**e<sup>5</sup> SHOT AF L** is an liquid accelerating admixture that can be used during the production of shotcretes and mortars, where the production of concrete and mortars cast by the wet method, where the consolidation of rocks or substrates is required, such as consolidation of rock or substrate is required, such as: tunnels, slopes, lining of structures, etcetera. The use of this additive promotes the rapid setting of the mixture achieving in less time its hardening.

## BENEFITS

Using **e<sup>5</sup> SHOT AF L** in concrete:

- Hardening is achieved in less time.
- Accelerated setting is achieved.
- Better adherence between shotcrete and the substrate.
- Reduces concrete rebound during concrete shooting.
- Higher thickness for vertical and overhead.

## TECHNICAL INFORMATION

- Specific gravity: 1.39
- Physical appearance: White/beige colored liquid

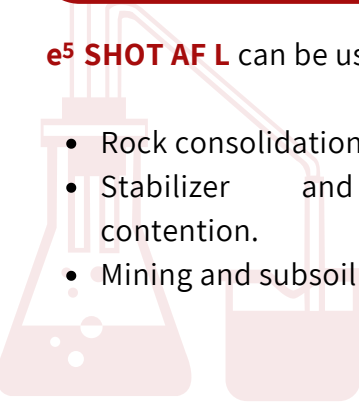
## PRESENTATION

- 18 L bucket
- 200 L drum
- 1000 L tote
- Bulk

Useful life : 12 months in its  
original container

## PRINCIPAL APPLICATIONS

**e<sup>5</sup> SHOT AF L** can be used in:

- Rock consolidation.
  - Stabilizer and soil and slope contention.
  - Mining and subsoil applications.
- 

## DIRECTIONS FOR USE

It is important to perform site testing at an industrial setting under real job conditions where the concrete will be mixed (moisture, temperature, time to transport etc.) for the purpose of making the final adjustments.

Perfectly wash the equipment with water after using the product to avoid damage that can affect the equipment. For better results lab testing is recommended with the job materials.

The **e<sup>5</sup> SHOT AF L** is added in the shotcrete mixer mouth at a dosage between 6 to 12% with respect to the mass of cement for each m<sup>3</sup> of concrete. this will depend on the time that is required to accelerate concrete strength.


Prior to using the product:

- Packaged

Vigorously mix the concrete until a homogeneous mix is achieved.

- Bulk

A special mixer is required that will guarantee the product homogeneity. This must be activated at least 3 times a day.



Ensure that the dosage established is adequate for the product has the required efficiency required. It is essential to have a dosage during the flow of the concrete.

Consult with your **Element5 Integral Solutions Advisor** for the preparation of durable concretes, and with an important economic benefit.

For any question or doubts about the product, please contact **Element5 Technical Support Department**.

## CAUTIONS

- Do not allow freezing of the product.
- Avoid contact with your skin and all sensitive parts of your body in the event of making skin contact wash with abundant water and consult with you doctor.
- Maintain the admixture at temperature higher than 4 degrees Celcius and lower than 30 degrees Celcius in its original container.
- Always keep the product in its original container.
- In the event of any important variation in the materials (change of aggregates, cement, etc.) It is necessary to perform the requires adjustments.
- Always keep the product sealed in its original container, far away from elements that may contaminate it. Do not damage the product containers used, As this can cause overflow of the product. Consult the MSDS before handling the product.

**Element5 Química Aplicada S.A. de C.V.** guarantees that the product meets the stablished 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 no control over 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 the product or recommendations. Please contact our **Element5 Technical Support Department**. Visit our website where our privacy statement is available for you.





**ELEMENTS<sup>®</sup>**

QUÍMICA APLICADA

**División Químicos para la Construcción**

Tel. +52 55 2484 2236

[contacto@element5.mx](mailto:contacto@element5.mx)  
[www.element5.mx](http://www.element5.mx)

Carr. Lago de Guadalupe No. 127 Int. 804  
Margarita Maza de Juárez, Atizapán de  
Zaragoza, Estado de México, C.P. 52926.