

## ADITOR® AES

### AIR ENTRAINING ADDITIVES FOR CEMENT AND MORTAR

#### Description

Air entraining additives or air occluders are a family of specialty products that allow the air entrapped in cement mortar to be increased in the form of fine, homogeneously distributed bubbles.





The generation of these microscopic bubbles confers differentiating qualities to the cement, allowing it to increase its workability and favoring a greater resistance to freeze-thaw cycles.

These characteristics make these additives especially recommended for cements implanted in areas with cold climates. In addition, they also reduce the amount of consistency water. And they are especially recommended for cements intended for highly fluid concrete.

#### Recommended Uses

**ADITOR® AES** range has been specially formulated for use in cold climates, or to increase the flowability of masonry cements.

#### Benefits

- Mill Output Boost 
- Dry cement fluidity 
- Freeze-Thaw Cycles Resistance 
- Mortar Workability 

#### How to use and dosage

- They can be incorporated on the feed material by means of a simple pumping system, being convenient to dose them in the closest possible point to the entrance of the mill or to the first chamber of the same.
- Can be added to the mixing water before being mixed with the mortar, or to the mortar already mixed, making a remix of at least 1min / m3 of concrete.
- Recommended Dose: 150 – 250 ppm (g/t)
- The optimal dose must be established in each plant and for each type of cement, according to particular manufacturing and mixing procedures, type of cement, mixing requirements, transport time and ambient temperature, among others.

#### Observations

*In order to preserve the quality of the products and to ensure their proper performance, it is recommended that customers follow the guidelines that PROQUICESA provides for the application and storage of the products. Notwithstanding the foregoing, PROQUICESA guarantees only and exclusively that the products comply with the quality established in the technical sheet at the time of delivery, but the customer is and will be responsible for carrying out the proper storage and ensuring the correct application of the same.*



#### Packaging

**ADITOR® AES** can be supplied in 1,000 L containers (IBC), carafes of 25 liters, and in bulk (tanks, isotank and flexitank)

#### Storage Conditions

It is recommended to store them in closed tanks, protected from environmental contamination and frost, in well-ventilated areas. Avoid subjecting them to high temperatures to prevent possible biological contamination inside the tanks.

Suitable storage materials include: carbon steel, 316 stainless steel, plastic materials, and reinforced polymers.

Maximum period of consumption: 10 - 12 months after supply.

#### Handling and transportation

Handling these products is not dangerous. However, the usual preventive measures for handling chemicals should be observed.

The disposal of the product and / or its packaging must be carried out in accordance with current legislation, and is the sole responsibility of the owner and / or end user of the same.

Products classified as non-dangerous goods for transport by land, sea or air.