



ELEMENTS
QUÍMICA APLICADA







e⁵BLOCK

Admixture for portland cement
based masonry

Description

e⁵ BLOCK is a specially designed admixture to make dry mix elements such as: blocks, cobblestones, etc. Its formulation is based on tensoactive materials that aid the workability of dry mixes. It decreases the energy required in machinery for vibro-pressed elements. This admixture does not have added chlorides in its formulation.

Benefits

-  It decreases the required energy for the manufacture of vibro-pressed elements.
-  Improves the workability of dry mixes, used in the preparation of masonry elements.
-  It reduces the volume of water required to achieve the desired consistency.
-  Improves the profile of masonry elements.
-  It is compatible with other admixture chemistries.
-  It can increase the mechanical strength of dry mixes.

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Technical information

Specific gravity 1.01






Physical appearance: translucent, light yellow

Presentation

19 L pail, 200 L drum and bulk

Useful life: 24 months in its original container

Principal applications

-  Blocks
-  Cobblestones
-  Concrete pipes
-  Shingles
-  Extruded elements

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Directions for use

For better results, we recommend running lab tests with the job materials to allow making all the necessary adjustments to the mix, such as: appearance, workability, consistency and the admixture's dosage. Then, it is important to repeat these tests under real job conditions (humidity, temperature, etc.), for the purpose of performing the final adjustments.

Load all the mix design materials: aggregates, cement and 80% of the mix water. Add the admixture with the remaining 20% of the mix water and finish the mixing process. Avoid adding this product directly on the mix.

The dosage can vary from 0.5 to 3 mL/kg of cement and will depend on the design of the dry mix to be used.

Cautions

-  An overdose can cause low mechanical strengths.
-  When mixing with lignosulfonate based admixtures, it is necessary to control the dose to prevent delays in setting times.
-  Check dispensing this product in combination with retarding admixtures. It is necessary to control the dose to avoid delays in setting times.
-  In case of any important variation in materials (change of aggregates, cement, etc.), it is necessary to make the required adjustments in the dosage used.
-  Do not allow the product to freeze.
-  Always keep the product in its original container.





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