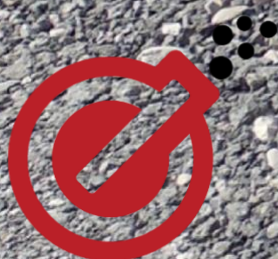




e⁵ BLOCK L
Admixture for portland
cement based masonry products



ELEMENTS
QUÍMICA APLICADA

e⁵ BLOCK L

Description

e⁵ **BLOCK L** is an admixture formulated with high technology dispersants that are friendly with the environment. It's specially designed to break the flocculating effect of cement particles as they come in contact with water.

With its special formulation, it helps to achieve a better cement hydration. This is evidenced by considerable increases in the mechanical strengths of concretes at all ages.

Benefits

- It significantly increases the mechanical strength of concrete.
- Improves rheological properties of concrete.
- It reduces the water/binding materials ratio.
- Adequate for warm climate concrete mixing.
- Reduces the manufacturing cost per m³ of concrete.

Technical information

Specific gravity 1.02

Physical appearance: light red liquid

Presentation

19 L pail, 200 L drum and bulk

Useful life: 12 months in its original container

Principal applications

- Conventional concretes
- Pumpable concretes
- Structural concretes
- Concrete blocks
- Machine formed products

Directions for use

Running lab tests, with the job materials, is recommended for better results. This allows making the necessary adjustments in the concrete mix, such as: appearance, workability, consistency, air content, yield, setting times and the admixture dosage.

Then, it is important to repeat these tests at an industrial level, under real job conditions (humidity, temperature, time to transport fresh concrete, etc.), for the purpose of making the final adjustments.

Load all the mix design materials: aggregates, cement and 80 % of the mix water. Allow these to mix during 2 minutes. Then add the established volume of admixture with the remaining 20 % of the mix water and finish the mixing process.

The dosage can vary between 100 and 200 mL per each 100 kg of cement. This will depend on the concrete's mix design. An overdose, above the established level, can result in a delay in the cement's speed of hydration.

When used in combination with an integral waterproofer, it is necessary to check the air content and the setting times in the concrete mix.





Run tests in combination with other admixtures to check for admixture synergy effects. This is specially important for air content and setting times. It is compatible with all admixtures.

In the event of important variations in materials (change of aggregates, cement, etc.), it is necessary to make the required adjustment in dosage used.

Check with your **Element5 Integral Solutions Advisor** for the preparation of durable hybrid concretes with an important economic benefit.

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Cautions

-  Do not allow the product to freeze.
-  Always keep the product in its original container.
-  Never add the admixture to the cement without its prior initial hydration. Do not add the admixture with the aggregates. These actions will decrease the admixture's efficiency.
-  Mix the product before using it.





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