

WaterCut®

Fast-setting, Portland Cement based, water-stop Repair Mortar

WaterCut is a single-component powder based on Portland cement that is mixed with water and is used to waterproof joints, cracks, and the pores of the cement and concrete surfaces. This product has a high hydration rate and its setting time lasts 1 minute.

This product is produced based on the requirements of the Iran National Standard No.16655. also, this admixture meets the requirements of the ASTM C928 Standard.

The physical and chemical properties of this product are according to the following table and in the allowable range of the Iran National Standard No.16655.

Physical State	Powder
Grey	Color
Specific Weight of the Powder	$1/33 \pm 0/01 \text{ g/cm}^3$
Specific Weight of the Prepared Powder	$2/1 \pm 0/05 \text{ g/cm}^3$
Chloride Content	Little

The usage and advantages of the fast-setting mortar.

The usage of the fast-setting mortar

- A water-stop repair in joints and concrete cracks.
- Waterproofing the joints of the concrete sections

The advantages of using the fast-setting mortar

- High initial setting
- Very high initial strength
- Its single-component property and ease of use
- High bonding to cement surfaces
- Without the surface cracks resulting from thermal shrinkage
- It is without poisonous elements and is usable in contact with potable water.

The instruction to use the fast-setting admixture

- Surface preparation: the desired joint must be split apart using a mechanical method so that a hard surface is obtained. This should be done in a way that it develops a negative slope on the edge of joints to involve the WaterCut mortar. Then surface contaminations must be cleaned with suitable methods and finally, washed completely with high-pressure water.
- Mix some water with WaterCut with a ratio of 1 to 3 manually or by a trowel in a suitable container, and uniform it immediately. It is necessary to prepare as much as it is completely used before setting. Rub suitable amounts of mortar on the ready joint, and compact it completely so that it is fully stuck to the surface. For sections with water leakage from the joints, it is necessary to hold the mortar on the joint to reach the setting. The minimum thickness of the mortar must be 2 cm.

Safety Tips

This product is Alkaline. Therefore, it is necessary to use a suitable gown, goggles, and mask while working and take the following tips into consideration:

- Blink in water for at least 15 minutes in case of eye contact
- Wash your skin with clean water for 15 minutes in case of any contact with the skin
- The contaminated clothes must be washed with suitable detergents to be usable for further work.
- It is necessary to visit a doctor if the injured individual still feels uncomfortable.

Other necessary notes in using the admixtures

The corrosion of admixture

This product does not start or extend corrosion in the buried bars in concrete, the pre-stressed steel, floor systems, and the roof made of galvanized steel. No Calcium chloride or any other compounds containing chloride is used in producing the WaterCut.

Transportation and storage of the product

The allowable transportation and maintenance temperature of this product is between 5 and 30 °C. It is also necessary to consider the following tips:

- Avoid putting the container having the admixture in direct exposure to sunlight.
- Avoid putting the product in direct exposure to moisture

The lifetime of the product

If the containers of this product are conserved and stored in a standard condition, they will be usable for 12 months.

The packaging

This product is supplied in 5 and 25 Kg packets.

Complementary information

Contact the technical section of Capco Company for complementary information. You can also refer to the performance form of (WaterCut-PPI) WaterCut for more information on the performance of this product.