

ISOLION ONE

IMPERVIOUSNESS MORTAR AND CONCRETE ADDITIVE

Product Definition	<ul style="list-style-type: none">› It is a liquid concrete additive ready to use, that reacts with the cement contained in concrete and mortar mixture, fills capillary in the gaps and pores, thus providing water impermeability.
Fields of Use	<ul style="list-style-type: none">› Used in internal and external areas,› Foundations,› Channels,› Pool, water tanks,› Engineering structures such as subway, highway, tunnel and dams,› Water pools and all the concrete used in the application.
Characteristics and Advantages	<ul style="list-style-type: none">› Ready to use.› It is economical.› Setting of mortar does not affect its strength.› Because its chloride free quality, does not damage the concrete.› The reinforcement in the concrete structure does not cause corrosion.› It allows the surface to breathe while preventing water penetration.
Application Details	<ul style="list-style-type: none">› Ready to use, ISOLION ONE is thoroughly shaken before use. Then, ISOLION ONE is added into 10 liters of clean water and mixed. The mixture is primarily incorporated into the concrete or mortar to be used. Then water should be added until mortar is ready. The addition of water is mixed until a smooth consistency is achieved the material made. Each layer is applied with trowel to achieve in 6 mm layer each. The second coat is applied, first floor 4-5 hours after the application is made is applied. Four times application is needed, final layer is made with a thin mortar layer Then, stripping is made with a wooden trowel to eliminate remains. After this operation, application areas is fixed with sponge through clovering.
Application	

Warnings and Recommendations

- › Shake the product before use.
- › During the application, work clothes should be worn, suitable goggles and respirators should be used in accordance with work and worker health rules.
- › In case of skin contact, hands should be washed with soap and water. Consult to your doctor in case of contact with eyes.
- › After application, it should be protected against negative weather conditions such as direct sunlight, high winds, high temperatures (+35°C), rain and frost.
- › Hands should be cleaned with water and detergent before the concrete or mortar receives complete cure and hardens.

Technical Specifications

Color	Yellow
Appearance	Liquid
Chemical composition	Inorganic Compounds
Concentration (kg./l.)	1.05 ± 0.03
pH	10 ± 1

*** Tests have been performed in a laboratory environment at 23 °C and 50% relative humidity.

Consumption

- › Made of mortar or cement in the concrete% of the 1-3 ratio is used.

Packing

- › In 5 and 30 kg plastic drums.

Shelf Life

- › 12 months under suitable conditions in unopened original packaging.

Standard

- › Conforms to TS EN 934-2 standard.

