

ISOLION CE 115

ONE-COMPONENT CEMENT-BASED WATER INSULATION MATERIAL

Product Definition	<ul style="list-style-type: none">› It is a hydrophobic water insulation material that is one-component, cement-based, with polymer additive, fiber-reinforced and that is developed specially against leakage and unpressurized waters occurring in cement.
Fields of Use	<ul style="list-style-type: none">› Wet surfaces such as balconies, bathroom and toilets,› Outer water isolation for foundation and basements,› Isolation of small swimming and ornament pools,› Applications against entry of unpressurized water leakages.
Characteristics and Advantages	<ul style="list-style-type: none">› Hydrophobic.› Prepared only by mixing with water.› Can be applied easily with brush or trowel.› Waterproof.› Forms a jointless, seamless, durable and waterproof coating.› Has water vapor permeability.› Not corrosive for steel or equipment.› Can be combined with net fitting.
Application Details	<ul style="list-style-type: none">› Surfaces should be clean, smooth and solid as purified from adhesion prohibiting materials and wastes such as dust, oil, dirt, rust, mold lubricant and detergents. Weak parts on the surface must be removed.
Surface Preparation	<ul style="list-style-type: none">› Cement grout and weakened parts must be removed. Absorbent surfaces should be dampened, but no water accumulation should be left. Places requiring fixing should be fixed with ISOLION REPAIR MORTAR.
Application	<ul style="list-style-type: none">› 25 kg powder form of ISOLIO CE 115 is poured into 6-7 l clear water located in a clean container. Material poured into a container is mixed until a homogeneous mixture without lumps is achieved with the help of low speed mixer or a drill. Mixing duration should be 5 min. at least. Mortar achieved at the end of process is rested for 3 minutes (to let organic materials inside to be solved) and then it should be mixed until it becomes homogeneous. Mortar ready to be used is applied on the place of application with a trowel. Material is applied in 2 layers. After waiting 4 - 6 hours following the first application, then, second layer application is made in vertical direction of the first application.

› Applications must be made between +5°C and +30°C.

› Surfaces with application made should be protected from rain, freezing, direct sunlight, pedestrian and vehicle traffic at the least 24 hours.

Warnings and Recommendations

› Is it advisable to cover surfaces that will be exposed to direct sunlight.

› Tools used for ISOLIO CE 115 application can be cleaned with water after application.

› During the application, gloves should be used.

› In case of eye and skin contact of the product, they should be washed with plenty of water. In allergic cases, please consult a doctor as soon as possible.

Technical Specifications

Color	Gray
Appearance	Dust
Mix Ratio	6-7 l/25 kg
Density Powder	1.25 kg/l
Fresh Mortar Density	1.8 kg/l
Water pressure resistance (positive direction)	≥1.5 bar
Adherence Strength (28 days)	≥1 N/mm ²
Compressive resistance (28 days)	≥15N/mm ²
Bending endurance (28 days)	≥7 N/mm ²
Surface temperature	+5°C-+30°C
Maturing time 3-5 mins	3-5 minutes
Application time (+20°C)	2 Hours
Waiting duration between floors	4 hours
Drying period	24 hours

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

Consumption

› 3 kg/m² (for 2 layer application)

› Given consumptions are approximate values; they vary based on pore and hollow structure of the surface.

Packing

› Craft bag of 25 kg.

Shelf Life

› In unopened packing; it can be stored in a dry and cool environment for 6 months by protecting from moisture, freezing and direct sunlight.

Standard

› Conforms to TS EN 1504-2 standard.

