

ISOLION TK 115

ELASTOMERIC RESIN BASED SINGLE-COMPONENT WATERPROOFING MATERIAL

Product Definition	<ul style="list-style-type: none">› It is a water insulation material that is developed specially against waters coming in opposite direction, that is single-component, elastomeric acrylic resin based with high elasticity power.
Fields of Use	<ul style="list-style-type: none">› Used for water storage, swimming and ornament pool,› Terrace and roofs,› Wet areas such as bathroom, WC, balconies,› Silo depot and façades of buildings,› Reinforced concrete, galvanized sheet, polyurethane foam, zinc, PVC tile, hidden stream surfaces.
Characteristics and Advantages	<ul style="list-style-type: none">› Since it has high flexibility in lower temperatures, it has high resistance against longer-lasting cracking.› It is resistant to hail effect (important for terraces).› Offers good adherence even in difficult surfaces.› Offers good protection against carbonation.› Offers good resistance against ponding water passage.› Applied directly by brush or roller.› It can be painted and coated with ceramic.
Application Details Surface Preparation	<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. If segregation exists in cement, loose and deteriorated parts should be thrown and weak parts must be removed. If any cracks and holes exist on the surface to be applied, they should be repaired with ISOLION REPAIR MORTAR. ISOLION TK 115 application should be conducted 3-4 days later. If there is water accumulation, ponding on the surface, it should be removed. In wet areas and balconies to be applied with ceramic, all corners should be applied with placket bands previously.
Application	<ul style="list-style-type: none">› ISOLION TK 115 is mixed in a clean container or its own container with the help of low-speed mixer or drilling machine until a homogenous mixture is obtained without agglomerates. The mixture is rested for 5 minutes, and then it is mixed for another 30 seconds to make it ready for use. ISOLION TK 115 which is ready-to-use is applied on a water saturated surface without losing its moisture by means of hard brush and/or trowel.› Depending on absorbing capacity of surface, water up to 50% of ISOLION TK is added, it is applied on the surface as lining layer. After lining dries, ISOLION TK 115's first layer is applied on the whole surface by means of roller or brush. If desired, carrier glass wool can be used as fittings between floors. Waiting duration between floors is at least 5 hours. Following the application of the 1st layer, if there are no traces in fingers, you can pass to the following floors. After application of the first layer is done from left to right, after ISOLION TK 115 is dried, second layer should be applied on the first layer vertically.

- › Do not add foreign substances.
- › To achieve long-term performance expected from the product, protection is required. To protect against all types of punctures, starching and impacts that may occur after application, tile, ceramics, plaster and alum should be applied 3 days later.
- › Application should be avoided in very moist and/or very hot weathers.
- › Do not apply under freezing conditions, under melting conditions, or when there is the danger of freezing within the next 24 hours.

Warnings and Recommendations

- › ISOLION TK 115 receives curing with air. Curing time is longer at lower temperatures, shorter in duration at high temperatures. If water test is to be done or production is made on it, it is necessary to be sure that the product is completely dried and hardened. Or else, avoid application.
- › 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 product receives complete cure and hardens.
- › Immediately after application, before hardening, equipments should be cleaned with water. After the product hardens, it should be cleaned by mechanical means.

Technical Specifications

Color	White
Appearance	Liquid
Activation Duration	At least 3 days
Waiting Duration between Floors	5 hours
Duration of Becoming Waterproof	7 days
Adherence Resistance	≥ 1.0 (28 days) N/mm ² (TS EN 1542)
Water Transfer Rate	< 0.1 kg/(m ² .h ^{0,5}) (TS EN 1062-3)
Water Vapor Transfer Rate	<0.6 g/(h. cm ²) (TS EN ISO 7783-2)

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

Consumption › 1.53 kg/m² (for 1 mm Dry Film Thickness)

Packing › In 20 kg plastic buckets.

Shelf Life › 12 months in unopened packing in dry, dust-free and moisture-free environment.

Standard › Conforms to TS EN 1504-2 standard.

