

## **ISOLION BT 102**

### ONE-COMPONENT BITUMENT RUBBER-BASED WATER INSULATION MATERIAL

<b>Product Definition</b>	<ul style="list-style-type: none"><li>› It is a water insulation material that is developed specially against water coming from positive direction, that is one-component, bitumen-rubber based, with high elasticity, copolymer additive, with crack bridging quality.</li></ul>
<b>Fields of Use</b>	<ul style="list-style-type: none"><li>› In all horizontal and vertical surfaces,</li><li>› Insulation of foundation, cellar and basement,</li><li>› Water insulation for leak waters in enclosed and wet areas such as bathroom, kitchen, toilet.</li><li>› It is applied with fittings such as polyester, mat, isolation cloth etc. in isolation applications that should resist high pressure water or on cracked surfaces.</li><li>› ISOLION BT 102 can create a protective layer on isolation layers or hollow sections on surface can be leveled by troweling screed material with some amount of cement and fine grated sand.</li></ul>
<b>Characteristics and Advantages</b>	<ul style="list-style-type: none"><li>› Easily applied by anyone.</li><li>› Creates a seamless and uninterrupted insulation layer.</li><li>› It is environmentally friendly because it is water-based.</li><li>› Does not contain flammable and toxic substances, can be used safely indoors.</li><li>› Because it has water in the mixture, it provides good adhesion even though the surface is moist.</li><li>› There is a permanent elasticity.</li><li>› Trowel application is extremely easy. Can be applied 20m<sup>2</sup> per hour.</li><li>› Should be applied in cold. Does not require heating and thinning.</li><li>› Has crack bridging quality.</li></ul>
<b>Application Details</b>	
<b>Surface Preparation</b>	<ul style="list-style-type: none"><li>› 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 in accordance with suitable ISOLION REPAIR MORTAR. ISOLION BT 102 application should be conducted 3-4 days later.</li></ul>

## Application

› ISOLION BT 102 is applied as surface lining by watering ISOLION BTA 103 Lining or ISOLION BT 102 at 1/10 rate. After waiting between 30 minutes to 1 hour, ISOLION BT 102, ready for use, is applied on the surface with hard bristle brush or spraying machines. Following completion of material reaction, 2nd layer application is made in vertical direction of 1st layer application. Waiting duration between floors is 4-6 hours. Following the application of the first floor, if there are no traces in fingers, you can pass to the following floors. If desired, carrier glass wool or 75 gr/m<sup>2</sup> net can be used as fittings between floors.

## Warnings and Recommendations

- › Since product has no UV resistance, it should be covered with heat insulation plates, protection plates, geo-textile felt etc. after 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 paint thinner. After the product hardens, it should be cleaned by mechanical means.
- › Do not add foreign substances.
- › Should not be applied in the rain.
- › Product should not be diluted with water.

## Technical Specifications

Thinner	Water
Color	Black after drying
Appearance	Liquid
Consistence	Fluid dense consistency
Density	1.05 kg/l (at 23°C)

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

## Consumption

- › 1-2 kg/m<sup>2</sup>, depending on surface and workmanship. (For single layer)

## Packing

- › 16 kg plastic bucket.

## Shelf Life

- › ISOLION BT 102 is protected against freezing when it is in its package.
- › Its shelf life is minimum 12 months when stored in dry and cool place in unopened original packaging.

## Standard

- › Conforms to TS EN 14891 and TS EN1504-2 Standard.

