

ISOLION BTAK 165

BITUMEN AND ACRYLIC-BASED WATER INSULATION MATERIAL

Product Definition	<ul style="list-style-type: none">› Single-component, bitumen rubber and acrylic rubber based, can be applied with a brush, with 700% elasticity strength, it is a liquid water insulation material that forms a seamless and waterproof coating on applied surfaces after drying.
Fields of Use	<ul style="list-style-type: none">› Foundation, shear wall, basement exterior walls,› Old or new terrace or roofs,› Places such as garden terrace, balcony› Re-insulation of places applied with old bitumen or asphalt surface,› On membranes or repairs,› Gutters,› Isolation of surfaces such as concrete pipe, brick, metal, wood, zinc, concrete etc.› Protecting all types of concrete surfaces beneath the ground against corrosion.
Characteristics and Advantages	<ul style="list-style-type: none">› This coating does not lose its quality in range of -20°C to +80°C. Unaffected by UV and sun.› Can be used even in places exposed to sun such as terraces and roofs.› It has quality of high elasticity and crack covering.› It is suitable for isolation of old and new roofs and under soil.› Not affected by groundwater. Dry or slightly damp sticks to many surface over time, blistering or does not break up strongly.› Resistant to plant roots. Suitable in the garden terrace.
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

› Ready to use, ISOLION BTAK 165 should be mixed homogeneously with the help of a low-speed mixer or drilling machine before applying. If lining is required of the surface, ISOLION BTAK 165 is thinned with 1 to 1 water. Applied on the surface with a hard brush. Full drying is waited. The terraces and roofs, wall and parapet before this operation in applications, strands of R-3 cm should be applied. For terrace and roof applications, net should be laid and the application is recommended done along with it. Net is not necessary for basement curtains or foundations. After the lining, ISOLION BTAK 165 is applied on the surface with the help of a brush or a roller at 2 layers without dilution. Waiting duration between floors is 6 hours. It is applied in layers vertical to each other every time. In terraces and roof or high surfaces with the risk of cracking, it is recommended to apply net between layers. Application should be avoided in hot weather or frost conditions. It is recommended that application be made during cool morning or evening weather especially in summer. roofs will be applied and be given adequate attention to the correct slope. The availability of adequate water and water expenses must be ensured that accumulate standing water on the roof.

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.

Technical Specifications

Color	Black
Appearance	Liquid
Material Structure	Bitumen acrylic
Density	1.25 ± 0.02 kg/l
pH	4-5
Drying Period	First Installation: 4-6 hours, Final Drying: 24 hours
Coating Application	24 Hours Later

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

Consumption

- › 1.5-2 kg/m² (Primer + 2 coat application)

Packing

- › In 16 kg plastic buckets.

Shelf Life

- › 24 months in unopened packing in algid, dust-free and (bitki) dead environment.

Standard

- › Conforms to TS EN 1504-2 standard.

