

**BSY-402-10KG / DOUBLE COMPONENT UV FULL ELASTIC WATERPROOFING MORTAR****PRODUCT DESCRIPTION**

It is a fully flexible, elastic, waterproofing and concrete protection mortar that can be applied indoors and outdoors, consisting of an emulsion polymer-based liquid component, and a cement-based powder component containing chemical additives that increase water impermeability and workability.

**USAGE AREAS**

Bestkim BSY-402 Two Component Fully Elastic UV Resistant Waterproofing Material, Protection against sea water and deicing salts in wet areas such as pools, water tanks, bathrooms, showers, WCs, bridges, terraces and balconies, foundation and curtain walls on required concrete surfaces: It is applied on surfaces such as concrete, plaster, screed.

**PRODUCT ADVANTAGES**

It is preferred in places where UV resistance is required.

It can be used in drinking water tanks.

Extra Elastic, has improved holding power.

It is non-corrosive to reinforcements and steel structures.

It can be used horizontally and vertically.

It prevents carbonation in concrete.

It is resistant to freeze-thaw cycle.

It has high resistance to chlorine ions. such as calcium and sodium chloride Protects concrete against ice-melting salts, sea water and carbon dioxide gas

**TECHNICAL SPECIFICATIONS:**

(23 ± 2°C and 50±5% relative humidity)

**APPLICATION INFORMATION:**

Appearance: 1st component:	White powder; 2nd component: White liquid
Density (Liquid) and Powder):	1.05±0.05 g/cm <sup>3</sup> and 1.40±0.05 g/cm <sup>3</sup>
Application temperature:	(5) - (30 C°)
Temperature Resistance:	(-30) - ( 70 C°)
Consumption:	3 - 3.5 Kg/m <sup>2</sup> (For 2 mm)
Application Thickness:	2-3 mm
Mixing Ratio:	10 lt liquid / 20 Kg powder
Mixing:	3 min. Max 500 rpm.
Pot Life with agitator:	30 Minutes
Mechanical Strength Gain Time:	3 Days
Waterproofing Time:	7 Days Full Drying Time: 48 Hours
Waiting Time Between Coats:	5-6 hours (20 C°)
Capillary Water Absorption and Water Permeability:	w <0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> )
Adhesion Strength:	≥0.8 N/mm <sup>2</sup>
Water Vapor Permeability:	Class I; SD<5 m

**REFERENCE STANDARDS**

Approvals/Standards EN 1504-2

**SURFACE PREPARATION:**

Care must be taken to ensure that the surface is cured and sound. The surface must be free of residues that will prevent adhesion. Defects on the application surface It should be fixed with Bestkim repair mortar. The application surface should be protected from sun, rain and dust for 1 day and should not be applied under direct sunlight. Before starting the application, the surface should be moistened to the extent of water. Care should be taken that there is no ponding.

**APPLICATION INSTRUCTIONS**

20 Kg of powder mortar should be poured slowly onto 10 lt of liquid component and mixed thoroughly so that no lumps remain. It is recommended to mix with a low speed mixer. Any additive not specified in the application instructions should not be added. 3 minutes for the prepared mortar to mature. should be rested. It should be mixed again for 30 seconds before starting the application. The prepared mortar should be applied to the floor in 2 layers with a roller or brush. Depending on the temperature, wait 5-6 hours between coats. The coats should be applied perpendicular to each other. A total thickness of 2-3 mm will be sufficient. Bevel tape should be applied to the corners and joints in the application area. In cases without chamfer band joint details should be ovalized and the mesh should be reinforced. Prepared mortar 30 min. should be consumed in This period may be shortened in applications made under unsuitable ambient conditions such as high temperature, low humidity, and wind. Expired mortar should be discarded. After application, hands and application tools should be washed with plenty of water. After the application, the surface should be protected from direct sunlight, rain, frost and wind for at least 1 day. Application areas should be waited for at least 3 days before being used or covered. If the application area is a water tank, the product should be expected to cure for at least 28 days. Care should be taken not to mechanically damage the insulation material during the coating process. This information may vary according to application conditions and surface properties.

**EQUIPMENT CLEANING**

After the application, the mortar on the used equipment should be cleaned with water before it dries.

**PACKAGING**

Powder: 20 kg kraft bag, Liquid: 10 lt plastic drum. 30kg set

**SHELF LIFE:**

(Powder and liquid) 12 months in its unopened package in a dry environment.

**STORAGE CONDITIONS**

It should be stored in a dry (max. 60% relative humidity) and cool (temperature between 5°C and 25°C) environment in its unopened original packaging. The mouth of the containers should be tightly closed when not in use. The powder component should be stored in a dry environment with a maximum stack of 10 layers. Store the liquid component away from sunlight.

**DISPOSAL**

Empty packaging can be disposed of in collection boxes according to local-local regulations or recycling rules. Dispose of the used waste material as construction waste after drying and hardening. It is dangerous to destroy product residues by burning.

**SAFETY RECOMMENDATIONS/WARNINGS**

Please refer to the Safety Data Sheet (SDS) for easy and safe application of the product. Do not breathe the dust as it is cement based. Do not contact eyes.

**CERTIFICATE OF CONFORMITY**