

BILIZO® **MORTAR**

Coving and Repair Mortar with High Strength

Product Description

It is a high strength repair and coving mortar which is cement based, polymer-reinforced, containing silica fume.

Uses

- Repair and finishing the concrete surfaces
- Providing sound and waterproof layer on concrete surfaces under epoxy coatings in industrial plants
- Repair of the defects on the concrete surfaces before waterproofing application
- Surface leveling of repaired parts with repair mortars,
- Repair of wall and ceiling plasters
- Surface leveling of concrete elements with surface defects

Usage and Consumption

To obtain a 1 mm thickness, approximately 1,72 kg/m² powder product should be used.

Depending on the system solutions, the usage and amount may change.

Advantages

- It only mixes with water.
- It provides a smooth surface finish.
- It is applied easily and without any crack in broad surfaces.
- It is highly thixotropic.
- It is water-proofed.
- It is resistant against the freezing-thawing cycle.
- It provides perfect match under paint because of its white color.
- It provides high adhesion to concrete and plastered surfaces.
- It does not shrink.

Packaging

25 kg in paper package with polyethylene reinforcement.

Technical Data

Material structure	It contains mineral fillings, fibers and special cement with polymer reinforcement.
Color	Gray – White
Pressure Resistance (TS EN 196) 1 Day 7 Days 28 Days	20 N/mm ² 35 N/mm ² 40 N/mm ²
Bending Resistance (TS EN 196) 28 Days	9 N/mm ²
Sticking Resistance (TS EN 1542) To Concrete (28 Days)	2 N/mm ²
Application Thickness	Min. 1mm max. 5mm
Density	~ 1,85 gr/ cm ³
Application Floor Temperature	+5°C to +30°C
Service Temperature	-20°C to +80°C
Use Time (+20°C)	45 minutes
Full Curing Time (+20°C)	28 days

PS: The informations above is given according to +23 °C and 50% humidity. High temperatures shorten the curing time and low temperatures increase the curing time.

Application

Preparation of Surface: Application surfaces should be free of any damage and all kinds of dust and dirt. BILIZO group repair is used in surfaces which require deep repair. The surface should be slightly damped.

Preparation of Mixture: Approximately 190 gr of water should be used for 1 kg of BILIZO® MORTAR. Pour the amount of water into a clean mixing container according to the ratio. Open the package and add slowly BILIZO® MORTAR into the water while stirring for about 3 to 4 minutes by a 400 to 600 rpm mixing drill until homogeneity is obtained. No aggregates should be left in the material. After the material is rested for about 3 minutes, stir again for 1 minute and make ready for application. Approximately 4,75 lt of water should be added to the 25 kg paper package. Mixing density is 2,10 kg/lt.

Surface Application: Apply the prepared mixture with trowel at once with a thickness of 1 to 5 mm. After the mortar draws itself, sprinkle water to the surface and smooth the surface with a sponge, wooden or steel trowel. The material remains usable in the container for 30 minutes in +20°C temperature. This time period decreases as the temperature rises. The material should be applied immediately after it is mixed. Newly applied surfaces should be protected against direct sunlight and extreme wind.

Storage

It should be stored in its original unopened package in a cool and dry environment protected against freezing. For short-term storing, a maximum of 3 pallets should be piled one over another and their shipment should be carried out by the “first in, first out” system. For longer term storing, pallets should not be piled at all. Its life is 12 months from its production date in proper storage conditions. Opened packages should be closed firmly and consumed within 1 week

Safety Measures

Please refer to the Material Safety Data Sheet (MSDS) for detailed information.