

# byk®



## BYK 1102 PLUG

### Cement Based, Fast Curing, Plug Mortar

**BYK 1102 PLUG** is a mortar containing special mineral fillers and binders, which can clog active water leaks suddenly, can be used within 1-2 minutes, completes full drying within 3-4 minutes, is used for insulation and repair purposes.

#### FIELDS OF APPLICATION

- Foundations,
- Basement Curtain Walls,
- Elevator Shafts,
- Water Depots, reservoirs ,
- Plugging cavities with pressured or non-pressured water leaks,
- Tunnels, underground structures

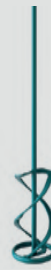
#### ADVANTAGES

- Ready to use,
- Can be applied either in powder form or mixing with water,
- Cures fast,
- Plugs the leaks by fast curing feature,
- Waterproofing materials can be applied on after 10-15 minutes of,
- Adheres perfectly to the applied,
- Does not contain chloride, does not damage the reinforcement

#### TECHNICAL FEATURES

Structure of the material	Special cement and mineral fillings	
Color		Gray
Appearance		Powder
Compression Strength	30 min.s	7 N/mm <sup>2</sup>
	24 hours	10 N/mm <sup>2</sup>
	28 days	35 N/mm <sup>2</sup>
Bonding strength		>0,50 N/mm <sup>2</sup>
Application Surface Temperature		+5°C / +35°C
Working Time		1-2 min
Fully Cures in		3-4 min

The values above are given for +23°C and 50% relative humidity. While higher temperatures shorten the period, lower temperatures extend it.



#### APPLICATION PROCEDURE

##### Preparation of the Substrate

The surfaces to be repaired must be sound and free from all kinds of dust, oil and residues. Cold joints should be opened in a conical manner with a depth of at least 20 mm in depth and width.

#### Mixing

For 1 kg **BYK 1102 PLUG** 0,240 lt of water should be used.  
1.68 lt of water should be added to the 7 kg package.

#### Application

##### As Mortar

Add the amount of material to be consumed in 1 minute into a clean application container and add water by paying attention to the mixing ratio. It is mixed by hand using gloves with suitable protective properties. It is applied immediately to leaks and holes. It is pressed by hand for a while.



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### As Powder

Take some material in your hand and press on the leak at once. Press with your fingers until you get the material socket. Gloves should be used when doing this.

### Package

7 kg plastic bucket

### Consumption

Variable.

### Cleaning of the Tools

Tools and equipments should be clean with water after application.

### Watch points

- If **BYK 1102 PLUG** is below + 5 ° C or above +35 ° C in application, suitable temperature environment should be provided or expected.
- The **BYK 1102 PLUG** is equipped with a rising hydration heat finisher. For this reason, it should be kept moist for 10-15 minutes.
- Working and reaction times in special cementitious repair mortars are affected by air temperature, humidity and floor temperatures. High temperatures accelerate hydration and the working time is shortened accordingly. Low temperatures slow down hydration and thus extend the working time. For the material to be completed, the floor temperature and ambient temperature to be applied must not fall below the minimum permissible temperature.
- In cold weather applications, the material must be conditioned in a hot environment at temperatures between + 20 ° C and + 25 ° C and the mixture should be prepared with hot water to obtain the workability of the material.



### Shelf Life

12 months after the production date under appropriate storing conditions. Opened products must be applied as soon as possible.

### Storage

Store in cool and dry conditions protected from frost. In short-term storage, maximum 2 palettes can be stored on top of each other and delivery must be according to first in first out system. In long-term storage, do not store palettes on top of each other.

### Health and Safety Precautions

Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application. Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application. If such a contact occurs, it must be washed by soap and plenty of water. Consult a physician urgently if swallowed. Food and drink must be kept outside the application areas. Must be stored away from children. Please look at the Material Safety Data Sheet for detailed information.

### Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **BYK Binyapi Co.** is only responsible for the quality of the product. **BYK Binyapi Co.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.