



## Bia-Derz Fuga

### 1-6 mm Cement Based Grout Filling Material

**Bia-Derz Fuga** is advanced to be used in the grouting of building materials' gaps up to 6 mm such as ceramic, tile, marble, natural stone, glass mosaic, porcelain tile and cotto.

### Areas of Usage

- Indoors and outdoors
- On horizontal and vertical surfaces
- It is used to fill grouts up to 1 - 6 mm in between building materials such as ceramic, tile, marble, natural stone, glass mosaic, porcelain tile, cotto.

### Advantages

- It is decorative with its smooth structure.
- It is durable. Since it contains high-quality additives, it hardens with high resisting, without any cracks up to 6 mm width. After hardening, it is resistant to the water, nausea and frost.
- It is economical. It is long-lasting. It is easy to apply and has a easy cleaning function. It does not do dusting and cracking, and provides excellent adhesion to the grout edges.

### Preparation of Surface

For the purpose of providing a homogeneous color and drying, before the grout application, it should be cleaned by scraping building wastes such as dust, dirt, oil, cement, etc. which are in the between of grout gaps and will prevent sticking, with the using of thin nail, and the surfaces should be cleaned with a damp cloth. Especially in applications which will be made to the wall, the grout gaps should be moistened before application.

### Preparation of Material

The **Bia-Derz Fuga**, the grout cast mortar, is mixed with approximate 30% water, preferably with a low speed mixer, until a homogeneous mixture is obtained. The prepared mixture should be mixed and applied again after 10 minutes of rest. The duration of prepared mortar is about 2 hours. Mixing ratios must be kept the same to avoid from the color differences.

### Application

Prepared mortar is filled into the rubber trowel and grout gaps, first parallel; then with cross movements. The excess material by wiping with the help of a damp sponge after 15-30 minutes, the thin grout surface which may remain on the surface should be cleaned completely. The process of surface cleaning and smoothing should be done with **Bia-Derz Fuga** with the help of a dry cloth while it is damp.

### Points to Consider

To be able to proceed to grouting process; it should be ensured that the bonding mortar is dry (about 2 days). In the application moment the surface and air temperature should not be less than +5°C; and more than +35°C and should not be worked under the burning sun. It should not be applied on to the surfaces (Such as; hot water, surfaces which the heating pipes pass) that have melted, frozen or temperature differences. Corner grouts should be solved with the same colored silicone based mastic or special corner profiles. The hardening of **Bia-Derz Fuga** as being for about 12 hours; the time required for the opening of the ground to the traffic is 24 - 48 hours. For high performance; the surface of the grouts should be moistened with water after 24 hours from the application and the house cleaning materials should be used at the earliest 14 days later.

### Packing

20 kg polyethylene reinforced paper bag.

### **Shelf Life**

It is 12 months from the date of manufacture in the appropriate storage conditions. Opened packages should be consumed within 1 week by means of closing their brims.

### **Consumption**

<b>Ceramic Dimensions</b>	<b>3 mm</b>	<b>4 mm</b>	<b>5 mm</b>	<b>6 mm</b>
10x10	700	950	1200	1400
10x20	550	750	950	1100
15x15	500	650	850	1000
15x20	450	600	750	900
20x20	400	550	700	800
20x25	350	500	650	700
20x30	350	500	650	700
30x30	250	350	450	500

*As the table figures are theoretical; it has done a consumption calculation as grout depth being 8 mm.*

### **Storage**

It should be stored in original unopened package, in cool and dry environment, protected from freezing. In short-term storage, maximum 3 pallets must be placed on top of each other and it must be shipped with the first-in first-out system. In long-term storage, pallets should not be placed on top of each other.

### **Security Precautions**

During the application it must be used, in accordance with the Occupational Health and Safety Rules, the work clothes, protective gloves, goggles. It should not be contacted to the skin and eye during storage and application, and in the case of contact, it should be washed immediately with plenty of water and soap, and in the case of swallow it should be applied to a doctor immediately. Food and drink materials should not be put into the application areas. It should be stored at places where children can not reach it. For further information, see the Material Safety Data Sheet.