



## Bia-Crete KTH-20

### Cement Based Thick Repair Filler

**Bia-Crete KTH-20**, Cement based thick repair mortar reinforced with polymer additives and various chemicals, formulated for use in repair and plastering of thick repair mortar, gross concrete and prefabricated concrete, for use up to 5 mm.

#### Areas of Usage

- Repair and plaster of gross concrete surfaces,
- Repairing broken and impacted prefabricated concrete elements,
- When repairing corners and edges,
- On gas concrete, brick and briquette,
- Before laying tiles and ceramics, they are used to obtain a smooth bottom surface

#### Advantages

- In applications up to 20 mm,
- It is suitable to use inner and outer facades,
- The polymer is admixtures,
- Resistant to water and frost,
- Quick setting,
- Dry without cracks.

#### Technical Specification

Color	: Gray
Water Ratio	: 5,5 lt / 25 kg
Set-up time	: 0,5 hrs. - 4 hrs.
Settling time	: 5 min.
Tensile Strength	: 4,5 N/mm <sup>2</sup>
Compression strength	: (7 days): 10 N/mm <sup>2</sup> (28 days): 20 N/mm <sup>2</sup>
Adhesive Strength	: 1,5 N/mm <sup>2</sup>
Water Intake properties	: < 5 kg/m <sup>2</sup>
Application Temperature	: +5°C +35°C

**Note:** Above values are given at +23°C and 50% relative humidity. High temperatures shorten the duration, lower temperatures prolong the duration.

#### Preparation of Surface

The floor must be solid, carrier; residues to reduce bonding strength, free from dust and grease; the dispersion paint should be cleaned mechanically with whitewashes such as lime. If the surface to be applied is too absorbent or the temperature is above 25°C, the surface should be moistened.

#### Preparation of Mortar

The appropriate amount of water as described on the package is poured into a clean mixing bowl. The **Bia-Crete KTH-20** bag is opened and gradually added into the water, while the 400-600 is mixed with the revolving drill for about 4 min. until homogeneous. There should be no lumps in the material. Material 30 sec. after settling, it is mixed again and ready for application.

#### Preparation of Material

Add 5,5 liters of water for **Bia-Crete KTH-20** and mix until a homogeneous mixture is obtained (approx. 3 minutes), preferably with a mixer screw mounted on the drill bit. The prepared mixture should be mixed and applied again after setting for 5 minutes. The prepared mortar can be used for about 1 hour.

### Mixing Rates

Bia-Crete KTH-20	For 1 kg powder	For 25 kg kraft bag
Mixture Amount	0,22 litre	5,5 litre
Mixed Density	1,80 kg/lt	

### Application Information

**Bia-Crete KTH-20** is spread on the surface with the help of a trowel. Then, with a trowel, the desired thickness is corrected. After the first socket of Mortar, buff correction with the trowel is completed.

### Points to Consider

Surface and air temperature at application is less than + 5°C; Must not be more than + 35°C; the floor must be moistened when the floor temperature exceeds + 25°C. After the repair mortar application, within the first 24 hours, the surface; wind, rain and frost. Repair mortars reach their strength after 2 weeks at 23°C. It is not recommended to apply top layer material on top of this.

### Consumption

For 1 mm thickness: 1.750 kg/m<sup>2</sup>.

### Packing

25,00 kg

### Shelf Life

Stores up to 8 layers in a moisture-free environment for 12 months on pallets. Opened packages should be kept tightly closed in a dry place and used within 1 week.

### Security Precautions

During the application, it must be used, in accordance with the Occupational Health and, Safety, the work clothes, protective gloves, goggles. Due to the irritant effects of curing materials, the components should not come into contact with the skin and the pore, in case of contact with plenty of soap and washed, if swallowed, seek medical advice immediately. Application areas should be ventilated and food and drinks stuffs should not be put into application areas. t should be stored at places where children can not reach it. For detailed information safety data sheet (Material Safety Data Sheet).

### Responsibility

The information given in this technical document is based on our scientific and practical knowledge. Orkim Ortaklar Boya Sanayi ve Pazarlama A.Ş. it is only responsible for the quality of the product. Orkim Ortaklar Boya Sanayi ve Pazarlama A.Ş. shall not be held liable for any consequences which may arise from outside of the written suggestions about where and how the product will be used and/or due to incorrect use. The responsibility of applying our product correctly is the responsibility of the user.

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