

Description:

A cement-based enhanced adhesive composed of various mineral powders, cement, redispersible powder resins, thickening agents, and additives with superior adhesion and reduced slip properties. This product is suitable for installing large-format tiles, porcelain tiles, and slab stones.

Standards:

- ISIRI 12492
- ASTM C 482
- DIN EN 1324
- DIN EN 134
- BS 5980

Applications:

- Installation of various types of floor and wall tiles, porcelain tiles, and facade tiles for indoor and outdoor use.
- Installation of natural stones, artificial stones, and slabs.
- Installation of tiles over old tiles.
- Installation of various coatings on concrete, stone, cement, gypsum, and painted surfaces.
- Tile installation over underfloor heating systems.

Properties and Effects:

- Produces a homogeneous and flexible paste when mixed with water.
- Stable against cold and heat after setting.
- Resistant to water and humidity after drying while maintaining adhesion.
- Extended open time allows tile adjustment a few minutes after placement.
- Easy and fast application.
- Strong adhesion to various substrates.

Consumption:

The consumption of B.C 170 porcelain tile adhesive depends on surface roughness, porosity, and tile groove patterns. Typically, 4 to 6 kg per square meter is used.

Application Method:**A. Surface Preparation:**

- The substrate must be dry, clean, and free from oil and dust particles.

B. Application:

- Add 30 to 40% water by weight to the adhesive and mix thoroughly to form a uniform paste (7.5–10 liters of water per 25 kg bag).
- Apply a thin 5 mm layer of paste to the surface and comb with a 5 mm notched trowel.
- Place each tile with a twisting motion, press it into place, and tap it firmly.
- Remove a freshly placed tile to check adhesive coverage; if less than 65% coverage is observed, increase trowel notch depth.
- Tiles must be laid within 20 minutes after spreading adhesive.
- Use the prepared adhesive within 30 minutes of mixing with water.

Physical and Chemical Properties:

- Color: White / Gray
- Physical State: Powder
- Specific Gravity: 1.02 g/cm³
- pH: Approximately 11
- Solubility: Mixable in water

**بَتْن شیمی**

خاورمیانه

**BETON
CHIMIE****ISO 9001 : 2015**

تلفن :

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کد پستی :

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