



## JDK MEGA

Porcelain Ceramic Adhesive Mortar

### DISCRIPTION

Cement-based, single component, polymer added, **S1 class very flexible** adhesive powder mortar with long working time and reduced slip. It has high performance and high stability.  
C2TES1

### APPLICATION AREAS

- Indoor and outdoor
- Horizontal and vertical surfaces,
- Bonding large size floor and wall tiles, granite, porcelain ceramic, marble, clinker and all types of natural stone coverings,
- Places that are exposed to heavy pedestrian traffic, such as offices, shopping malls, schools and hospitals
- Places that are exposed to high temperature changes, such as cold storage depots, flash freezing facilities and floor heating systems,
- Places that are exposed to water and weather conditions, such as pools, water tanks, terraces and balconies
- Bonding ceramics on old granite and marble.

### TECHNICAL PROPERTIES

Appearance	Grey colored coarse powder
Powder Density	~ 1.5 kg/L (ASTM D 1875-18)
Mixing Rate	6 – 7 L of water / 25 kg powder
Resting Period	5 – 10 minutes
Pot Life	2 . 5 – 3 hours
Extended Open Time Tensile Adhesion Strength	After min. 30 minutes $\geq 1$ N/mm <sup>2</sup> (EN 1346)
Application Temperature	Between +5°C and +55°C
Tensile Adhesion Strength	$\geq 1$ N/mm <sup>2</sup> 28 days (EN 1348)
Slip	$\leq 0,5$ mm (EN 1308)
Transverse Deformation (Deformability)	$\geq 2.5$ mm and $< 5$ mm (EN 12002)
Walk-on Time	24 hours
Service Temperature	-20°C / +70°C



## APPLICATION

### PREPARATION OF THE SURFACE

- The surface must be cured.
- The surface must be clear of materials which prevent bonding, such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents and mold release oils.
- repair mortar depending on the depth and the condition of the surface.
- The surface must be dry before using the mortar.

### PREPARATION OF THE MORTAR

- Add 25 kg of **JDK MEGA** Porcelain Ceramic Adhesive Mortar to approximately 6 - 7 liters of clean water and mix it with a low-speed mixer until there are no lumps.
- Leave the mortar to mature for 5-10 minutes, then mix again 1 – 2 minutes before use.
- The mortar must be used within 2.5 - 3 hours.

### APPLICATION

- First form a contact layer by pressing the adhesive mortar strongly on the surface, then comb it with a notched trowel selected according to the size of the tiles.
- The adhesive mortar must contact at least 80% of the backside of the ceramic.
- Prefer double sided bonding method on uneven surfaces, in places that are exposed to heavy pedestrian or load traffic, and in cold storage depots or floor heating systems where the temperature changes are high, depending on the size of the plates, and apply the adhesive mortar both on the backside of the ceramic and on the surface, and fix them with combing directions perpendicular to each other.
- For better bonding, apply force with a rubber hammer.

### ADVANTAGES

- Very flexible and provides strong adhesion.
- Has transverse deformation property.
- Resistant to water and frost, and to the tensions on the surface that are caused by sudden temperature changes. Provides longer time for working, saves time and labor.
- Allows sufficient time to adjust bonded plates.
- Provides high stability, does not cause sagging in vertical applications.

### CAUTION

- Pay attention to the amount of water added to the mortar. Do not add more than necessary.
- Do not add cement sand, or any other additives which may affect its properties.

### PACKAGING

25 kg kraft bags



## Technical Data Sheet (TDS)

### SHELF LIFE

Unopened packages can be stored in non-humid environments for up to 12 months, stacked maximum 10 packages on a pallet.

### CONSUMPTION

4 - 6 kg/m<sup>2</sup>

### HEALTH AND SAFETY

As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storage. During the application, work wears, protective gloves, goggles and mask should be used according to the work place health regulations. If swallowed by accident, consult a doctor. In case of contact with skin, rinse with water. Do not leave the package open. Keep out of reach of children.

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\* The application instructions and technical values given for the products have been obtained in our tests in accordance with international standards and our experience, at  $23 \pm 2^{\circ}\text{C}$  temperature and  $50 \pm 5\%$  relative humidity. These values may vary depending on ambient conditions. High temperatures shorten the durations, low temperatures extend them. Before starting the application, whether the product is suitable for the application and purpose should be tested by the user. **JDK** Construction Chemicals is not responsible for application errors that may occur if the product is used outside of its intended purpose or if the application conditions and recommendations mentioned above are not followed. This Technical Data Sheet is valid until the next revision is published. **JDK** reserves the right to change the values specified in this Technical Data Sheet, provided that a new version is published. It is the user's responsibility to check the currency of the document. For more information, please contact our sales department.

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Technical Data Sheet (TDS)

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