

**Tile and Ceramic Adhesives / Cement Based Adhesives****FIXA FLEX**

Granite Ceramic Adhesive Mortar C2TES1 (Double Component)

**DESCRIPTION**

**Double-component**, very strong and flexible adhesive with **reduced slip** and **long working time**. Component A is a cement based, polymer added powder mortar, component B is a very flexible polymer emulsion.

**APPLICATION AREAS**

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramic, granite, granite ceramic, marble, clinker and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic such as work places, shopping malls, schools and hospitals
- Floor heating systems
- Bonding ceramics on old granite and marble surfaces
- Bonding ceramics on gypsumboard
- Bonding covering materials such as ceramics, granite ceramic, marble up to 30 m height on facades of buildings. Mechanical fixing should be done if necessary.

**TECHNICAL PROPERTIES**

<b>Appearance</b>	A: Grey colored fine powder B: White colored liquid
<b>Density</b>	: ~ 1.50 kg/L, B : ~ 1.03 kg/L
<b>Mixture Ratio</b>	6 kg liquid / 25 kg powder
<b>Resting Period</b>	5 - 10 minutes
<b>Pot Life</b>	~ 1 hour
<b>Extended Open Time Tensile Adhesion Strength</b>	After min. 30 minutes $\geq 0.5$ N/mm <sup>2</sup>
<b>Application Temperature</b>	Between +5°C and +35°C
<b>Tensile Adhesion Strength</b>	$\geq 1$ N/mm <sup>2</sup> 28 days (EN 1348)
<b>Slip</b>	$\leq 0.5$ mm (EN 1308)
<b>Walk-on Time</b>	24 hours
<b>Service Temperature</b>	-40°C / +80°C

**ADVANTAGES**

- Very flexible and provides strong bonding
- Resistant to water and frost, and to the tensions on the surface that are caused by sudden temperature changes
- Provides long workability, saves time and labor.
- Allows sufficient time to adjust applied boards
- Not affected by temperature changes, has high freeze-thaw resistance
- Provides high stability and does not sag in vertical applications.

**CONSUMPTION**5.5 - 6.5 kg/m<sup>2</sup>**PACKAGING**

Component A: 25 kg kraft bags  
Component B: 6 kg plastic jerrycans

## APPLICATION

### PREPARATION OF THE SURFACE

- The surface must be cured.
- The surface must be clear of materials that prevent bonding, such as dust, oil, tar, paint, silicone, curing materials, detergents and mold oils.
- Repair the surface 24 hours before the application with **FIXA's** appropriate repair mortars depending on the depth and structure of the surface.
- Wet the surface and keep it moist. If the surface is very absorbent, prime it before the application.
- In wet areas, isolate the surface with **FIXA's** appropriate waterproofing materials before the use of the ceramic adhesive.

### PREPARATION OF THE MORTAR

- Add 25 kg of Component A (powder) slowly in 6 kg of Component B (liquid) and mix with a low speed mixer until there are no lumps. Do not add water.
- Let the mortar rest to mature for 5 – 10 minutes and mix again 1 – 2 minutes before use.
- Use the material within 1 hour.

### APPLICATION

- Press the adhesive mortar strongly on the surface to form a contact layer and notch the product with a toothed trowel appropriate to the tile size.
- Do not proceed to the next level until the bottom level is strong enough. Leave an expansion joint every 5 m on facades without windows. Do not cover the dilatation joints when covering the ceramics.
- Use the double sided adhesion method and apply the adhesive mortar both on the back of the ceramic and on the surface, and fix the plates in such a way that the carding direction is perpendicular to each other.
- To ensure a good adhesion, apply force with a rubber hammer.
- Complete the application by using the appropriate **FIXA** joint filler, leaving a joint gap compatible with the ceramic size.

### CAUTION

- Avoid application at temperatures below +5°C and above +35°C.
- Do not add water.
- Apply the coating on the carded adhesive within 30 minutes. If this time is exceeded, scrap the material from the surface.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours, or in areas open to direct sun and wind.
- Do not use the expired product.

### SHELF LIFE

Expires in 12 months. Store unopened packages in a dry environment, stack up to 10 packages on the pallet. Protect the liquid component against freezing and shake well before use.

### HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not leave the cover open. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. **FIXA Yapı Chemicals San. Trade Ltd. Sti.** is not responsible. This Technical Data Sheet remains valid until the next revision is published. **FIXA** reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.