

**Tile and Ceramic Adhesives / Cement Based Adhesives****FIXA®****Fast Setting Tile and Ceramic Adhesive Mortar C1FT****DESCRIPTION**

Cement based, single component, polymer added, **fast setting**, high performance and stability powder adhesive mortar **with reduced slip (C1FT)**.

**APPLICATION AREAS**

- Indoor and outdoor,
- Horizontal and vertical surfaces,
- Places required to be ready for use within 24 hours,
- Bonding small and medium size floor and wall ceramics 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.

**TECHNICAL PROPERTIES**

<b>Appearance</b>	Grey colored fine powder
<b>Powder Density</b>	~ 1.50 kg/L
<b>Water Mixing Ratio</b>	6.5 – 6.75 L water / 25 kg powder
<b>Resting Period</b>	2 – 3 minutes
<b>Pot Life</b>	25 – 30 minutes
<b>Application Temperature</b>	Between +5°C and +35°C
<b>Early Tensile Adhesion Strength</b>	After 6 hours $\geq 0.5$ N/mm <sup>2</sup> (EN 1348)
<b>Open Time Tensile Adhesion Strength</b>	After Min. 10 minutes $\geq 0.5$ N/mm <sup>2</sup> (EN 1346)
<b>Tensile Adhesion Strength</b>	$\geq 0.5$ N/mm <sup>2</sup> (28 days) (EN 1348)
<b>Slip</b>	$\leq 0.5$ mm (EN 1308)
<b>Walk-on Time</b>	6 hours
<b>Service Temperature</b>	-30°C / +80°C

**ADVANTAGES**

- Sets fast and gains its strength in 6 hours, allows tile grouting in 3 - 4 hours.
- Provides strong bonding.
- Resistant to water and frost and is not affected by temperature changes.
- Provides high stability and does not sag in vertical applications.

**CONSUMPTION**

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

**PACKAGING**

25 kg kraft bags

## 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 **FIXA** Fast Setting Tile and Ceramic Adhesive Mortar (C1FT) in approximately 6.5 – 6.75 L of clean water and mix with a low speed mixer until there are no lumps.
- Let the mortar rest to mature for 2 – 3 minutes and mix again 1 – 2 minutes before use.
- Use the material within 25 – 30 minutes.

### 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.
- The adhesive mortar should touch at least 80% of the back side of the ceramic.
- Prefer the double sided adhesion method depending on the size of the floor slabs and the smoothness of the floor 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.
- Mix with **AQUALATEX** or **AQUACEMENT 2K 250 Component B** to provide a stronger adhesion in outdoor applications.
- 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.
- Pay attention to the pot life as the mortar sets quickly. Prepare enough mortar to consume in 25 – 30 minutes.
- Do not add water more than necessary.
- 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 add water or powder to the expired product.
- Use only unopened packages.

### SHELF LIFE

Expires in 6 months. Store unopened packages in a dry environment. Stack up to 10 packages on a pallet.

### 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.



## Technical Data Sheet (TDS)

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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.

