Tile and Ceramic Adhesives / Cement Based Adhesives

FIXA

Tile and Ceramic Adhesive Mortar C1T

DESCRIPTION

Cement based, single component powder adhesive mortar with **reduced slip**, used for bonding tiles and ceramics.

APPLICATION AREAS

- Indoor,
- Horizontal and vertical surfaces,
- Bonding of small and medium-sized floor and wall ceramics with more than 3% water absorption rate,
- Covering materials with a maximum size of 33x33cm.

TECHNICAL PROPERTIES

Appearance	Grey colored fine powder
Powder Density	~ 1.45 kg/L
Water Mixing Ratio	5.5 – 6.5 L water / 25 kg powder
Resting Period	5 – 10 minutes
Pot Life	~ 2 hours
Extended Open Time Tensile Adhesion Strength	After min. 20 minutes ≥ 0.5 N/mm^2 (EN 1346)
Application Temperature	Between +5°C and +35°C
Tensile Adhesion Strength	≥ 0.5 N/mm^2 28 days (EN 1348)
Slip	≤ 0.5 mm (EN 1308)
Walk-on Time	24 hours
Service Temperature	Between -20°C and +70°C

ADVANTAGES

- Easy to apply.
- Economical.
- Does not sag in vertical applications.

CONSUMPTION

3.5 – 4 kg/m^2

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 FİXA Tile and Ceramic Adhesive Mortar in approximately 5.5 – 6.5 L of clean water and mix with a low speed mixer until there are no lumps.
- Let the mortar rest to mature for 5 – 10 minutes and mix again 1 – 2 minutes before use.
- Use the material within 2 hours.

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.
- 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.
- Pay attention to the amount of water added to the mortar. Do not add more water 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.

SHELF LIFE

Expires in 12 months. Store unopened packages in a dry environment, stack up to 10 packages on the 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. 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. FİXA Construction Chemicals Ltd. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FİXA 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.