

FIXA FLEX

Tile Grout (1 – 6 mm)

DESCRIPTION

A high performance single component, cement-based, easy-to-apply, **flexible** tile grout resistant to abrasion. It has reduced water absorption and used in 1 - 6 mm joints.

APPLICATION AREAS

- Indoor and outdoor
- Horizontal and vertical applications
- Places such as pools, water tanks, sauna and baths,
- Floor heating systems,
- Grouting 1 - 6 mm joints of coverings such as porcelain ceramic, bigger sized ceramic, natural granite, marble, cotto, clinker, pressed brick, natural stone, slate stone and glass mosaic

TECHNICAL PROPERTIES

Appearance	White or colored fine powder
Powder Density	~ 1.10 kg/L
Mixing Rate	6 – 7 L of water / 20 kg powder
Resting Period	5 – 10 minutes
Pot Life	~ 1 hour
Application Temperature	Between +5°C and +35°C
Service Time	Wall: 12 hours, Floor: 24 hours
Flexibility	Good
Flexural Strength	≥ 2.5 N/mm ² (EN 12808-3)
Compressive Strength	≥ 15 N/mm ² (EN 12808-3)
Abrasion Resistance	≤ 1000 mm ³ (EN 12808-2)
Shrinkage	≤ 3 mm/m (EN 12808-4)
Water Absorption	≤ 2 g in 30 minutes (EN 12808-5); ≤ 5 g in 240 minutes (EN 12808-5)
Service Temperature	-30°C / +80°C

ADVANTAGES

- Does not cause color fading, dusting and cracking
- Makes the surface smooth
- Is not affected by sudden temperature changes.
- Resistant to water and freeze.
- Can be used in floor heating systems.
- Bonds well on the sides of the ceramics without cracking.
- Offers a wide variety of colors and is decorative.
- Resistant to abrasion

CONSUMPTION

Refer to the tile grout consumption chart.

APPLICATION

PREPARATION OF THE SURFACE

- Ceramics must be bonded very well and the adhesive must be completely dry to prevent the ceramics to move during the application.
- Clean with a thin stick or a brush all kinds of dust, dirt, sawdust, construction and cement residues that remain inside the joints after the covering.
- The width of the joints must be at least 2/3 of the thickness of the ceramic.
- Damp the joints with a wet sponge.

PREPARATION OF THE MORTAR

- Add 20 kg of FIXA Flex Tile Grout (1 - 6 mm) to approximately 6 - 7 liters of clean water and mix it with a low speed mixer until there are no lumps.
- Do not exceed the required amount of water; excess water will cause cracking, wearing, and dusting.
- Leave the mortar to mature for 5-10 minutes, then mix again 1 – 2 minutes before use.
- The mortar must be used within 1 hour.

APPLICATION

- Fill the grout into the joints with a rubber squeegee or with a grout spreading trowel with a hard rubber bottom. In order to ensure that the joints are completely filled, fill the grout first parallel then in diagonal lines.
- Rub the excess mortar on the surface with a spatula with a damp soft end and clean any thin layer of grout remaining on the surface with a damp sponge in 15 - 30 minutes after the application, depending on the ambient temperature.
- The process of cleaning should not be started prematurely. In order not to cause color fluctuations, it should not be wiped with a sponge wetter than necessary. The sponge used should be cleaned at frequent intervals.
- It dries in 12 hours on walls and in 24 hours on floors. Floors can be opened to pedestrian traffic in 7 days

CAUTION

- Avoid application below +5°C and above +35°C.
- Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind.
- Never add powder or water into the expired mortar.
- Do not clean the tile grouts with hydrochloric acids, bleaching agents, etc. Use FIXA DERZSIL Tile Grout Cleaner for cleaning.
- When using on floor heating systems, the surface should not be hot during the application and the heating system should be turned off 24 hours in advance.

PACKAGING

1 kg and 5 kg polyethylene, 10 kg and 20 kg kraft bags

SHELF LIFE

Unopened packages can be stored in dry environments for upto 12 months, stacked maximum 10 packages on a pallet



Technical Data Sheet (TDS)

Form No: 5.01 TDS FLEX 1-6 mm
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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.

* 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. FIXA 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. FIXA 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.