



# VitrA Fix FIXER

Cement-based, non-slip, non-slip tile-ceramic adhesive mortar with extended working time

## DESCRIPTION

Cement based ceramic tile adhesive used for bonding small and medium sized ceramic tiles to walls and floors.

## AREAS OF USE

- Adhering ceramic, glass mosaic, natural stone etc. coating materials to walls and floors in interior spaces,
- In wet areas such as bathrooms and kitchens,
- Ideal for applications on cement based surfaces such as concrete, plaster, screed etc.

## FEATURES

Material structure: High quality cement, contains additives to facilitate application.

Type	: Powder
Color	: Gray / white
Density	: $1.3 \pm 0.05 \text{ gr/cm}^3$

## TECHNICAL PERFORMANCE\*

Tensile bond strength	
- initial (after 28 days)	: $\geq 0.5 \text{ MPa (N/mm}^2\text{)}$
- after heat aging	: $\geq 0.5 \text{ MPa (N/mm}^2\text{)}$
- after aging with water	: $\geq 0.5 \text{ MPa (N/mm}^2\text{)}$
- after freeze thaw cycle	: $\geq 0.5 \text{ MPa (N/mm}^2\text{)}$
- open holding time (after 30 min.)	: $\geq 0.5 \text{ MPa (N/mm}^2\text{)}$
Slip	: $\leq 0.5 \text{ mm}$
Reaction to fire class	: A1 (TS EN 13501 - 1)
Temperature resistance	: $-30^\circ\text{C} - +70^\circ\text{C}$

\*These values are obtained as a result of laboratory tests and are the performance values of the finished applications after 28 days. Values may vary due to differences in the construction site environment.

## REFERENCE STANDARD

- TS EN 12004-1 / CITE class.
- CE

## CONSUMPTION

Approx.  $3\text{-}5 \text{ kg/m}^2$  may vary depending on the application surface, tile size and comb size used.

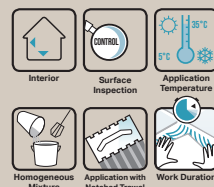
## PACKAGING

In 25 kg kraft bags (48 pieces per pallet / 1200 kg)

## STORAGE AND SHELF LIFE

- For storage, maximum 10 kraft bags should be placed on top of each other.
- Product storage conditions must be complied with and products must not be stored in damp and waterlogged warehouses.
- Shelf life is 1 year provided that the packages are kept in closed and moisture-free environments. Production date and charge number are indicated on the packaging.
- Packages should be tightly closed when not in use.

- Possibility to lay ceramic tiles from top to bottom without slipping
- Strong adhesion performance
- Facilitating labor with long working hours
- Easy troweling



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## APPLICATION FEATURES

Mixing ratio	: 5.5-6.5 liters of water for 25 kg of powder product
Working and tile correction time	: 30 minutes
Time to use the mixture	: 3 hours (pot life)
Application temperature	: +5 °C - +35 °C
Opening time for pedestrian traffic	: minimum 24 hours after
Jointing time	: minimum after 24 hours

## SURFACE PREPARATION

- Application surfaces must be free from dust, dirt, oil, etc., must be smooth and sound, and must not be too dry or sweating.
- On surfaces that have been polished or hardened afterwards (concrete, etc.), the hardness or gloss of the surface should be removed by scraping, etc. before application.
- On surfaces with high absorbency, the surface should be primed with **VitrA Fix FILM** before application.
- Glossy surfaces such as ceramic, exposed concrete etc. should be primed with **VitrA Film Plus** or **VitrA Film Plus Beton** before application.
- On surfaces exposed to direct sunlight and overheated surfaces, the surface temperature should be reduced by moistening the surface with water sprinkling method before application.
- Surface defects, cracks and holes should be corrected and repaired with **VitrA Fix RM** repair mortars or **VitrA Fix S 30** leveling screeds. Surface corrections up to 5 mm vertically and 7 mm horizontally can be made with **VitrA Fix FIXER**.
- The surface of the tiles must be cleaned of dust and dirt before application. The tiles must be saturated with water and the surface must be dry.

## APPLICATION

- Slowly add 25 kg **VitrA Fix FIXER** to 5.5-6.5 (22-26%) clean water and mix until the mixture is homogeneous without lumps.
- The mixture should have a consistency that will not flow when taken on a trowel.
- Allow the mixture to rest for 5 minutes before starting the application and mix again for 1-2 minutes and then apply.
- **VitrA Fix FIXER**, which is spread well on the surface with the flat side of the toothed steel trowel, should then be combed to the desired tooth thickness.
- For coating materials larger than 40x40 cm, combined bonding method (adhesive application both on the surface and on the back of the ceramic) should be used. Consumption may increase by approximately 30-50%.
- When laying transparent or light-colored natural stones, a preliminary test should be made in case of the risk of stains and shadows appearing on the surface and **VitrA Fix FIXER** in white color should be used in case of shadows.
- When laying backing materials with nails, it is necessary to apply adhesive until the nail depth is filled.
- - In order for the adhesion to be strong and for the adhesive to fully spread and adhere to the back of the tile, the tile should be lightly rammed with a rubber mallet.
- - Joint filling should be started at least 24 hours after the bonding process.

## APPLICATION SURFACES

Suitable for use on cement based plaster and screed surfaces, concrete floors.

## PRECAUTIONS

- If hardening or petrification is detected after opening the bags, the product should not be used.
- Do not add more or less water to the mixture than the amount of water indicated on the bag.
- Do not apply directly on metal, rubber, PVC, wood, cement based particle board surfaces. Consult technical service for solution.
- Do not apply on unset plastered or concrete surfaces (horizontal and vertical) before the curing time is completed.
- The open time of **VitrA Fix FIXER** is 30 minutes. However, in unsuitable ambient conditions (high temperature, dry air and strong wind) or on surfaces

with high absorbency, the open time is shortened. For this reason, a wetness test should be performed by touching the surface of the adhesive with your fingers in case of premature drying and film formation. If the mortar is not smeared on the fingers, the application time of the adhesive has passed. It is not possible to bond by wetting the dried adhesive surface. In this case, the dried or filmed adhesive must be scraped off the surface and a new application must be made. Under low temperature and high humidity conditions, the drying time may be prolonged.

## SAFETY INSTRUCTIONS

- Avoid contact with skin and eyes as it contains cement. Contact areas should be washed with plenty of water.
- It is recommended to use rubber gloves during product application.
- The product should not be inhaled directly. Dust mask should be used when necessary.
- Please read the Material Safety Data Sheet (MSDS) for more detailed safety information.

**Note:** Technical values and application instructions are the results of our experience and tests carried out in accordance with international standards, valid at ambient conditions of 23 °C and 50% relative humidity.