



Vitra Fix GROUT

Cement based, fluid, high strength fixing and filling mortar

DESCRIPTION

Cement based high strength, high flowability, non-shrinking, climate resistant fixing and filling mortar.

AREAS OF USE

- Installation and fixing of steel, prefabricated concrete structural elements,
- Machine and crane mounting bases,
- Fixing of industrial machines such as generators, compressors, pumps etc,
- Structural fixing and filling mortar suitable for use between 10-70 mm at a time, suitable for indoor and outdoor use.

FEATURES

Material structure : Powder product containing high quality cement, filler, performance polymer and fiber additives.
 Type : Powder
 Color : Grey
 Dry Density : 1.50 ± 0.10 gr/cm³
 Mortar Density : 2.20 ± 0.10 gr/cm³

TECHNICAL PERFORMANCE*

Compressive Strength : ≥ 30 MPa in 1 day, ≥ 50 MPa in 28 days
 Flexural Strength : ≥ 7 N/mm² (after 28 days)

*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

- Tested according to TS EN 1504-3 standard.
- CE

CONSUMPTION

- Approximate consumption amount (kg/m²) may vary depending on the application surface defect. For 1 mm thickness, it is 2.2-2.4 kg/m² on average.

PACKAGING

- In 25 kg kraft bags

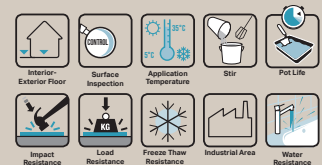
STORAGE AND SHELF LIFE

- Maximum 10 kraft bags can be stacked on top of each other.
- It should be stored in moisture-free, dry and protected against external weather conditions.
- Shelf life is 6 months under suitable storage conditions.
- Opened packages should be kept tightly closed.

APPLICATION FEATURES

Mixing ratio : 3.75-4.25 liters of water per 25 kg bag
 Application thickness : 10-70 mm
 Pot life : 30 min.
 (Temperature dependent)
 Application temperature : +5 °C - +35 °C
 Opening time for pedestrian traffic : minimum 24 hours
 (light pedestrian traffic)

- High mechanical strength and adhesion
- Self-leveling with its highly fluid structure
- No shrinkage and cracking
- Fast strength gainer
- Water and frost resistant
- Fast and easy implementation
- Fiber reinforced



VitrA Fix GROUT

SURFACE PREPARATION

- The application surface must be clean, free from dirt, dust and weak particles.
- The formwork to be applied must be fixed, sealed and cleaned very well.
- If the application is to be made on old concrete, the surface must be moistened before application. Small puddles of water should be avoided.
- Prepare enough material to be used considering the working time.

APPLICATION SURFACES

- **VitrA Fix GROUT** can be safely applied on cement-based screed, concrete slab and prefabricated concrete on indoor and outdoor floors.
- Consult us for all other application surfaces.

APPLICATION

- A 25 kg bag of **VitrA Fix GROUT** should be slowly poured into a container with an average of 3.75- 4.25 liters (15-17%) of clean water and mixed with a low speed hand mixer for 3-4 minutes until it reaches a homogeneous consistency. Make sure that there are no air bubbles in the mortar.
- Do not add water to the hardening mortar.
- **VitrA Fix GROUT**, which has a fluid structure, should be poured continuously from one side of the previously prepared mold. Thus, air entrapment in the mixture should be prevented. The mortar should be used in a short time and should not be kept for too long (15-20 minutes).
- In order to ensure that all the gaps in the mold are filled, a steel wire with a hooked end should be used for placement and a vibrator should not be used.
- The times given in the application information and steps may be shorter or longer under different ambient conditions (low/high temperature, humidity, wind, etc.).

PRECAUTIONS

- Do not apply on frost hazardous or overheated surfaces, under direct sunlight and in high winds.
- If petrification is detected in the product after the bags are opened, the product should not be used.
- The product should be used within the life of the container after mixing.
- Do not add any foreign material such as lime, cement or plaster into the mortar.
- Do not add more or less water to the mixture than the amount of water indicated on the bag.
- Do not apply on unsound surfaces.
- Protect the treated surfaces from direct sunlight, rain and frost for at least 24 hours.
- It is recommended to use a pump for large volume applications.

SAFETY INSTRUCTIONS

- Avoid contact with skin and eyes as it contains cement. Wash contact areas 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.
- For more detailed information, please read the Material Safety Data Sheet (MSDS).

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.