



Vitra Fix RM 20

Cement based, thick filled surface leveling and repair mortar

DESCRIPTION

It is an easy-to-apply, cement-based, thick-filled surface correction and repair plaster that is resistant to water, humidity and moisture. It is used for correcting surface defects, thick cracks, deep cavities and elevation differences between 5 and 20 mm and for plaster repairs. It has high adhesion performance. Resistant to outdoor conditions.

AREAS OF USE

- Repair of spilled, cracked, broken surfaces,
- Plastering of blocky surfaces such as bricks on the interior and exterior facades of buildings,
- To provide a smooth surface before paint, ceramic tile, waterproofing etc. applications,
- Suitable for use between 3-20 mm.

FEATURES

Material structure	: High quality cement, special additives and fillers.
Type	: Powder
Color	: Grey
Dry Density	: $1.60 \pm 0.1 \text{ gr/cm}^3$
Mortar Density	: $1.80 \pm 0.1 \text{ gr/cm}^3$
Grain Size	: $\leq 800 \mu\text{m}$

TECHNICAL PERFORMANCE*

Compressive strength	: $> 15 \text{ N/mm}^2$ (after 28 days)
Adhesion strength	: $> 0.8 \text{ N/mm}^2$ (TS EN 1542) (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/m^2) may vary depending on the application surface defect. For 1 mm thickness, consumption is 1.8 kg/m^2 .

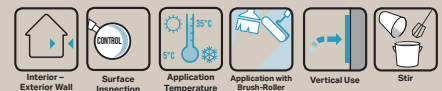
PACKAGING

- In 25 kg kraft bags

STORAGE AND SHELF LIFE

- For storage, care should be taken to place a maximum of 10 kraft bags 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.

- Easy to apply
- High adhesion performance
- No shrinkage and cracking
- Resistant to outdoor conditions
- Water, moisture and humidity resistant



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APPLICATION FEATURES

Mixing ratio	: 4.5-5.5 liters of water per 25 kg bag
Application thickness	: 3 -20 mm
Pot Life	: 30 minutes (23 °C)
Application temperature	: +5 °C - +35 °C

APPLICATION SURFACES

It provides very good adherence especially to concrete surfaces. Can be applied on cement based plasters, concrete surfaces, bricks and briquette blocks. Not applicable on metal, wood and gypsum based, fibrous cement and porous concrete surfaces.

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- 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.
- Before application on highly absorbent surfaces, the surface must be primed with **VitrA Fix FILM**.
- Before applying on non-absorbent surfaces, the surface must be primed with **VitrA Fix FILM PLUS**.
- 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.
- If the surface is too dry, the surface should be moistened by wetting with water beforehand.

APPLICATION

- Slowly add 25 kg of **VitrA Fix RM 20** to 4.5-5.5 liters (18-22%) of clean water and mix until the mixture is lump-free and homogeneous.
- It is recommended to use a low speed mixer for a lump-free and homogeneous mixture.
- Allow the mixture to rest for 5 minutes before application and apply after mixing again.
- **VitrA Fix RM 20**, which is spread on the surface with a flat steel trowel, is applied to the surface with a thickness of 3-20 mm.
- 20-30 minutes after the application (when the surface starts to dry), the surface can be corrected by troweling with a flat trowel or a damp sponge. Also, a patterned surface can be obtained by troweling with a plastic trowel.
- If it starts to dry out during the smoothing process, the surface can be moistened to facilitate application.
- In windy, sunny and dry weather applications, moisturizing the surface every 2-3 hours after application will prevent capillary cracks that may occur due to sudden drying and loss of curing water.
- After application, the surface should be kept continuously moist or cured by appropriate methods to prevent the loss of the necessary water within the product due to external factors, ensuring proper hydration and strength development.

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 gypsum into the mortar.
- The amount of water indicated on the bag must be observed.
- Do not apply on unsound surfaces.
- Protect the treated surfaces from direct sunlight, rain and frost for at least 24 hours.
- Expansion joints in the structure should never be plastered or filled, suitable profiles or mastics should be used for joint passages.
- Do not apply on newly plastered or concrete surfaces before the curing period is completed.

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.