



Vitra Fix F 50 (10-50 mm thickness)

Cement-based floor leveling and preparation mortar

DESCRIPTION

Cement based dry mortar for surface smoothing. It is suitable for leveling the floors where surface deviation is below 50 mm, prior to fixing of covering materials of tiles, parquets, carpets, natural stones and etc. It allows delivering a flooring incline.

AREAS OF USE

Suitable for use in internal areas as a flooring screed. It is used for leveling purposes for thicknesses of 10 mm to 50 mm. It forms a leveled substrate prior to the application of covering materials (tile, carpet, parquet, and etc.). It is reliable on industrial floors. It should not be used in areas exposed to humidity and water.

FEATURES

Material content: High quality cement, additives and thick filling materials.
 Type : Powder
 Color : Grey
 Density : 1,3 gr/cm³

APPLICATION PROPERTIES

Mixture rate	: 2,5 lt water / 25 kg powder
Application thickness	: 10-50 mm
Pot life	: 3 hour
Application temperature	: +5 °C - +30 °C
Set time (for tiling)	: minimum 48 hours (varies due to leveling thickness)
Set time (for light pedestrian traffic)	: minimum 48 hours (varies due to leveling thickness)
Final set time	: 28 days (23 °C, 50% relative humidity)

TECHNICAL PERFORMANCE

Resistance to alkalis : good
 Resistance to thermal shocks: -30 °C - +70 °C

APPLICATION SURFACES

Suitable for use on cement based screeds and concrete substrates.

SURFACE PREPARATION

- The substrate must be clean in order to ensure the compound bonds properly. Surfaces should be clean and free from dust, dirt, grease or any other contaminating barrier. Subsequently hardened or polished surfaces and laitance (concrete and etc.) must be removed by scabbling.
- Ensure that substrate is mature, sound, stable and smooth, and not too dry or wet.
- Substrates should be primed with **Vitra Fix FILM** before application.
- Impervious surfaces should be primed with **Vitra Fix FILM PLUS** before application.
- The surfaces exposed to direct sun light and have a surface temperature above +30 °C must be cooled by damping.
- Prior to application, the cracks and damages on the substrate should be fixed with **Vitra Fix RM 20** surface repairing mortar.

MIXING

- Gradually add 2,5 lt (10%) of clean water to 25 kg of powder, and mix to a smooth and homogenous compound. It is recommended to use a low cycled electrical drill-mixer for mixing.
- The compound should rest for 2 minutes prior to application and should be applied then.

APPLICATION CONDITIONS

- The compound should be used at an ambient temperature range of +5 °C - +30 °C.

- Excellent performance of leveling up to 50 mm for indoor floors,



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- Application surface temperature must be above +5 °C. The surface should have no risk of freezing.
- Application on hot surfaces and during sunny and/or windy weather is not recommended.

APPLICATION

- Spread **VitrA Fix F 50** on the surface (already primed with **VitrA Fix FILM**) at a single layer.
- By using a gauge the compound is spread and compressed well, and leveled evenly on the surface. The floor incline can be applied if required.
- To ease in a large area application, precede the application in consecutive small areas.
- Following application must be done at least 48 hours later after leveling application.

PRECAUTIONS

- If any roundish and lump or hard particles are observed in a new opened bag, do not use the product.
- Do not add more or less water into the mixture than it is specified on the technical legends on the product packaging or technical data sheets.
- Do not add more water into the mixture once the mixture is prepared.
- Do not apply the compound directly onto the existing ceramic tiles and metal, plastic, PVC or wooden substrates. Please consult technical service for solutions.
- Do not apply to plastered or concrete surfaces that have not been primed until the curing period of the surface is complete.
- To prevent water puddles on wet areas, the floor should be inclined. On terraces, wet areas and similar areas there should be an incline of 3% on the floor along the direction of drain.
- Set time for **VitrA Fix F 50** may extend in lower temperatures and/or high humidity conditions, or when applying onto impervious or sealed surfaces.
- Large areas should be divided into smaller areas (rectangular areas ≤ 30 m², long edge at maximum 8 m). The joints within the divided areas function as expansion joints.
- If covered with wooden covering materials, application thickness of the leveling should be minimum 3 mm.

SPECIAL CONDITIONS

- For fixing onto impervious surfaces like existing tiles the surface must be primed. As a primer **VitrA Fix FILM PLUS** or the mixture prepared by mixing **VitrA Fix FLEX PORSELEN** and **VitrA Fix LATEX** in equal amounts is recommended.
- Before tiling in wet areas (bathroom, shower, etc.), it is recommended to apply water proofing first (**VitrA Fix HYDROSTOP**, **VitrA Fix PROOF S** or **VitrA Fix PROOF**).

COVERAGE

- The approximate coverage amount (kg/m²) may vary depending on the application surface deviation: For 1 mm thickness of coating 1,5-2,0 kg/m²

PACKAGING

- Kraft sacks of 25 kg (48 sacks / 1200 kg on a pallet)

STORAGE AND SHELL LIFE

- When stored unopened in a cool, dry place at temperatures above 5 °C, shelf life is 12 months from date of manufacture. Production date and charge number is displayed on the packaging.
- The products should not be stored in damped or submerged warehouses. At maximum 10 craft sacks should be overlaid for storage.
- When not used, opened packages should be closed tightly to avoid air contact.

HEALTH AND SAFETY

- Irritating to eyes and skin due to cement content. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Wear suitable protective clothing, gloves and eyes/face protection.
- The product should not be inhaled. Dust mask should be used if necessary.
- For more detailed information, read the Material Safety Data Sheet (MSDS).