

VitrA Fix PROOF S



Cement based, 2-component, semi-elastic waterproofing material

DESCRIPTION

It is a two-component (liquid + powder), cement-based, semi-elastic waterproofing material that provides water impermeability. It is applied to the surface for waterproofing before tile coating materials in volumes exposed to water and humidity.

AREAS OF USE

- Especially in wet areas such as bathrooms, wc, kitchens etc. before ceramic application,
- On balconies and small-sized terraces,
- Indoor and outdoor waterproofing applications on cement based surfaces such as concrete, plaster, screed etc.

FEATURES

Material structure
 -powder component (A) : High-quality cement, additives for high elasticity and water repellency, auxiliaries for superior adhesion materials.
 -liquid component (B) : Synthetic resin
 Type : Powder (component A) + Liquid (component B)
 Color : Grey (powder component A) / white (liquid component B)
 Density : $1.80 \pm 0.1 \text{ gr/cm}^3$ A+B mixture

TECHNICAL PERFORMANCE*

| | |
|---|--|
| Temperature resistance | : -30 °C - +70 °C |
| Initial tensile bond strength | : $\geq 0.5 \text{ N/mm}^2$ |
| Tensile strength after contact with water | : $\geq 0.5 \text{ N/mm}^2$ |
| Tensile strength after heat aging | : $\geq 0.5 \text{ N/mm}^2$ |
| Tensile strength after freeze-thaw | : $\geq 0.5 \text{ N/mm}^2$ |
| Water impermeability | : $\geq 1.5 \text{ bar}$ (positive side) |
| Crack bridging | : $\geq 0.75 \text{ mm}$ |

*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 14891,
- CE

CONSUMPTION

- 1.4-1.6 kg/m² for 1 mm thickness.

PACKAGING

- Set of 20 kg kraft bags (powder component A) + 5 kg plastic drums (liquid component B).

STORAGE AND SHELF LIFE

- For storage, maximum 10 kraft bags should be placed on top of each other.
- Product storage conditions should be followed and products should not be stored in damp and waterlogged warehouses. Products should be stored at temperatures between +5 °C - +30 °C.
- 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.

- The ideal solution for waterproofing under ceramic tiles in residential buildings
- Non-corrosive and non-toxic
- Suitable for horizontal and vertical application
- Easy to apply



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APPLICATION FEATURES

| | |
|---|------------------|
| Pot life | : Max 3 hours |
| Application temperature | : +5 °C - +35 °C |
| Application thickness | : 2-3 mm |
| Waiting time between layers | : Min. 6 hours |
| Waiting time before ceramic application | : Min. 2 days |
| Time to gain mechanical strength | : 2 days |
| Waterproofing time | : 7 days |

APPLICATION SURFACES

It can be applied on cement based surfaces such as concrete, plaster and mortar.

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 brightness of the surface should be removed by scraping, etc. before application.
- Before starting the waterproofing process, **VitrA Fix FILM** primer material should be applied to the surface in order to balance the absorbency of the surface and increase the adhesion adherence. Wait minimum 3 hours for the primer to dry.
- Before application on non-absorbent surfaces, the surface should 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.
- **VitrA Fix PROOF S** is not a filling material. Accordingly, the application surfaces must be smooth. If there are 2 mm deviations from the surface smoothness under a 2 m gauge, the necessary repairs should be made before application by using **VitrA Fix RM 20** vertically or **VitrA Fix S 30** horizontally.

APPLICATION

- Slowly add 20 kg of powder component to 5 kg of liquid component.
- Mix with a low speed mixer (400 rpm) until the mixture is homogeneous and free of lumps.
- Allow the mixture to rest for 3 minutes before application and apply after mixing again.
- The prepared mixture should be applied to the surface with a brush or roller in minimum 2 coats. When applying the first coat from right to left or from top to bottom, chamfer tape should be used at wall-floor joints.
- 6 hours after the first coat application, the 2nd coat should be applied in the opposite direction of the first coat application. The main purpose here is to cover the surface with all the material.
- The next stage after waterproofing should be started at least 2 days later.
- 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

- The mixing ratios of components A and B are indicated on the packaging; they should not be mixed in any other ratio.
- If hardening or petrification is detected after opening the packages, the product should not be used.
- Water should never be added to the mixture.
- Do not apply directly on metal, rubber, PVC, mineflo, wood, cement based particle board, gas concrete, underfloor heating, painted and tiled surfaces. Consult technical service for solution.
- Do not apply on unset plastered and concrete surfaces (horizontal and vertical) before the curing period is completed.
- In floor applications such as terraces, wet areas, etc., a minimum slope of 3% should be given along the surface in the direction of the water drain in order to prevent water accumulation on the surface.
- The working time of **VitrA Fix PROOF S** is shortened under unsuitable environmental conditions (high temperature, dry air and strong wind). In low temperature and high humidity ambient conditions, the time can be extended.
- **VitrA Fix PROOF S** is a waterproofing material developed for under-coating applications. It should not be left open, it must be covered with a suitable coating material.
- The applied surfaces should be protected from direct sunlight, frost and rain for at least 24 hours.
- In order to increase resistance on surfaces that will be exposed to water pressure, waterproofing application can be done together with reinforcement reinforcement (alkali resistant reinforcement mesh etc.). After the first coat is applied, the reinforcement is embedded into the first coat while it is still wet. After the first coat dries, the second coat is applied.
- The surface should not be exposed to direct sunlight after application.

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.
- 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.