



# Vitra Fix S 10

Cement based, self-leveling, floor leveling and preparation screed

## DESCRIPTION

Cement based, fast drying, self-leveling surface correction and preparation mortar. It is used for correcting elevation differences on the floor surface. It provides very easy and fast application with its self-leveling feature. Forms a non-porous structure resistant to abrasion and dusting.

## AREAS OF USE

- To obtain a smooth surface before the application of PVC, linoleum, parquet, carpet, ceramic etc,
- On floors with underfloor heating,
- Leveling of defects in concrete, screed floors,
- Self leveling surface correction screed that can be applied between 3-10 mm in a single layer.

## FEATURES

Material structure	: High-quality cement, filler and performance-enhancing poly powder product containing mer additives.
Type	: Powder
Color	: Grey
Dry density	: $1.5 \pm 0.05 \text{ gr/cm}^3$
Mortar density	: $2.10 \pm 0.05 \text{ gr/cm}^3$

## TECHNICAL PERFORMANCE\*

Compressive Strength (TS EN 13813)  $\geq 25 \text{ MPa (N/mm}^2\text{)}$  (28 days) - C25  
 Flexural Strength (TS EN 13813)  $\geq 10 \text{ Mpa (N/mm}^2\text{)}$  (28 days) - F10  
 Temperature resistance : -30 °C - +70 °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 13813
- CE

## CONSUMPTION

- Approximate consumption ( $\text{kg/m}^2$ ) may vary depending on the application surface defect. For 1 mm thickness, consumption is 1,8 – 2,0  $\text{kg/m}^2$ .

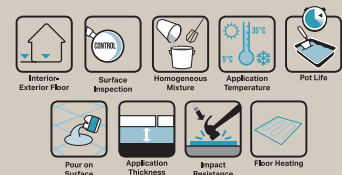
## PACKAGING

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

## STORAGE AND SHELF LIFE

- Product storage conditions must be complied with and products must not be stored in damp and waterlogged warehouses. Warehouse ambient temperature should be above +5 °C.
- Maximum 10 kraft bags can be stacked on top of each other.
- 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.
- When not in use, the packages should be closed tightly and airtight.

- High mechanical and abrasion resistance
- Resistant to temperature changes and dusting
- Fast spreading with its fluid structure
- Forms a non-porous and smooth surface
- Fast and easy implementation
- No cracking and collapse



# VitrA Fix S 10

## APPLICATION FEATURES

Application thickness	: 3-10 mm
Pot Life	: Maximum 30 min
Method of application	: Trowel or pump
Application temperature	: +5 °C - +35 °C
Coating time	: 24-48 hours
Opening time for pedestrian traffic	: Min 24 hours (light pedestrian traffic)

## APPLICATION SURFACES

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

## SURFACE PREPARATION

- Application surfaces must be cured and sound. They must be free from dust, dirt, oil, etc., must be smooth, not 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. methods before application.
- The surface must be primed with **VitrA Fix FILM** before application.
- The surface must be primed with **VitrA Fix FILM PLUS** before application on non-absorbent surfaces.
- 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.
- Broken and damaged areas on the surface should be repaired with **VitrA Fix RM 20** repair mortar.

## APPLICATION

- Slowly add 25 kg **VitrA Fix S 10** to 5.5-6.5 lt (22-26%) of clean water and mix with a low speed mixer (400 rpm) until the mixture is homogeneous and free of lumps.
- The mixture is rested for 3 minutes before application and applied after mixing again.
- The prepared mixture is spread on the floor with a steel trowel and the thickness is adjusted. A spiked roller should be used to prevent air bubbles in the product.
- During the application, the application thickness should be determined in accordance with the door thresholds and volumetric changes in the space.
- The times given in the application information and steps may be shorter or longer under different ambient conditions (low/high temperature, humidity, wind, etc.).
- 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

- Protect the treated surfaces from direct sunlight, rain and frost for at least 24 hours.
- If petrification is detected after opening the bags, the product should not be used.
- The product must 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 should be observed. In large area applications, expansion joints should be left every 30-40 m<sup>2</sup>, taking into account possible thermal stress and mechanical loads, and filled with polyurethane mastic or expansion profiles.
- Do not apply directly on surfaces such as metal, rubber, PVC, wood.
- **VitrA Fix S 10** should be poured in a smooth and continuous flow.

## 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.