

VitrA Fix LATEX



Synthetic polymer based performance enhancing liquid additive

DESCRIPTION

Synthetic polymer based liquid additive for cement based mortars to increase binding and strength. It increases the adhesion strength, adhesion performance, mechanical strength, elasticity and water impermeability of cement based tile adhesive, joint filler, plaster, screed, mortar etc. materials. It is non-flammable and has no chemical solvent properties.

AREAS OF USE

- Increasing the performance values of cement based mortars, plasters and screeds such as flexibility, abrasion and impact resistance, adhesion strength, water impermeability, crack resistance etc.
- To prevent cold joints and improve adhesion, when applying new concrete over existing concrete

FEATURES

Material structure	: Synthetic polymer doped liquid
Type	: Liquid
Color	: White
Ph	: 8
Density	: $1.05 \pm 0.1 \text{ gr/cm}^3$ (ASTM D1475 / DIN 53217 ISO 2811)

TECHNICAL PERFORMANCE*

Moisture resistance	: excellent
Resistance to heat aging	: excellent
Flexibility	: excellent
Alkali resistance	: excellent

PACKAGING

In 5 kg plastic drums (56 pieces per pallet / 280 kg)
In 20 kg plastic drums (24 pieces per pallet / 480 kg)

STORAGE AND SHELF LIFE

- Shelf life is 1 year provided that the packaging is kept in a closed and moisture-free environment.
- The product should not be exposed to sun or frost during storage.
- Production date and charge number are indicated on the packaging.
- Packages should be tightly closed when not in use.

APPLICATION FEATURES

Application temperature : +5 °C - +35 °C
- Adhesive, joint filling mortar and plaster application
Mixing water; 2 scales
Latex ; 1 scale
For example: For 25 kg **VitrA FLEX PORCELAIN**; 2,5 kg Latex is mixed with 5 liters of water.
- In primer material production;
Primer; 1 scale
Latex ; 1 scale

APPLICATION

- The application ambient temperature should be between +5 °C and +35 °C.
- When used as an additive, it improves the performance of cement-based tile adhesives and joint fillers (especially in cold regions and outdoor applications such as terraces, residential entrances, etc.).
- The mixing water of the adhesive or grouting mortar is reduced to a certain extent and **VitrA Fix LATEX** is added to the mixture water as much as the reduced amount. **VitrA Fix LATEX** additive ratio should be at least 1/3 of the mixing water (if the amount of mixing water for the mortar is specified as 3 parts, the mixing water should be prepared as 2 parts water and 1 part **VitrA Fix LATEX**).

Note: Technical values and application instructions are the results of our experience and tests carried out in accordance with international standards, valid under ambient conditions of 23°C and 50% relative humidity.

PRECAUTIONS

- Not applicable on metal, rubber, PVC, linoleum surfaces.
- Not used as additive material in self-leveling screeds.
- Do not use expired and crusted product in the container.
- When used in cement based adhesive in hot and dry environments, early film formation may be observed on the combed surface. In this case, the adhesive on the film-forming surface should be cleaned and combed again.
- When used in applications such as pools, wet areas, etc., the minimum curing time of the mortar it is added into should be waited.
- When added into ceramic tile adhesive mortar, it delays the set time of the adhesive, especially at low temperatures. Consult technical service for low temperature applications.
- When used together with plaster mortar, care should be taken during application as it will increase the adhesion of the mortar.
- To prevent cold joints and improve adhesion when applying new concrete over old concrete, it can be applied with a brush or roller without dilution. The new concrete must be poured no later than 15 minutes after application.

SAFETY INSTRUCTIONS

- Avoid direct contact of the mixture or its components with skin and wash with plenty of water in case of contact.
- In case of contact with eyes, rinse immediately with water and seek medical advice.
- Please read the Material Safety Data Sheet (MSDS) for more detailed safety information.

EFFECT OF VITRA FIX LATEX ON MORTAR

- Increases the adhesion strength of all cement based mortars.
- Increases resistance against abrasion and impacts.
- When used with cement based tile adhesive mortars, it increases the adhesion strength, flexibility and resistance to temperature changes.
- When used with cement based joint filling mortars, it increases the water impermeability, abrasion resistance and bending strength of the joint.
- Increases the resistance of mortar against water, humidity and unbalanced temperature changes. While reducing the absorbency of mortar, it adds relative insulation feature to mortar. Prevents cracking of mortar in case of frost and thawing.

- Increases adhesion strength,
- Provides high abrasion and impact resistance,
- It adds elasticity,
- Reduces water permeability.

