



# Vitra Fix PROOF CRYSTAL

Cement based, 1-component, crystallized waterproofing material

## DESCRIPTION

1 component, cement based, crystallized waterproofing material that is resistant to negative and positive water pressure and provides water impermeability by penetrating into concrete on cement based surfaces.

## AREAS OF USE

- Basements and elevator shafts,
- Foundation and curtain walls,
- External insulation of water tanks,
- Sewage and waste water treatment plants,
- Capillary-effect waterproofing material that can be applied indoors and outdoors, from negative and positive directions, on concrete and exposed concrete surfaces.

## FEATURES

Material structure : High quality cement containing, crystallized, capillary effective one component waterproofing material.

Type : Powder

Color : Grey

## TECHNICAL PERFORMANCE\*

Temperature Resistance	: -30 °C +70 °C
Water Impermeability	: 7 bar (negative and positive)
Adhesion Strength	: $\geq 0.8 \text{ N/mm}^2$ (EN 1542)
	: Class II; 5 m < SD < 50 mb
Water Vapor Permeability	(EN ISO 7783)
	: $< 0.1 \text{ kg/m}^2\text{ho}^5$
Capillary Water Absorption Value	(EN 1062-3)

(\* ) 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 1504-2 standards.
- CE

## CONSUMPTION

- The average is  $2 \text{ kg/m}^2$  (for two coats).

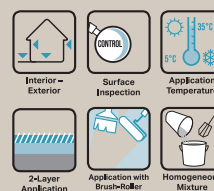
## PACKAGING

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

## STORAGE AND SHELF LIFE

- Care should be taken to place maximum 10 kraft bags on top of each other for storage.
- Product storage conditions should be followed and products should 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.

- Resistant to negative and positive water pressure
- Quick solution with ease of implementation
- Provides waterproofing by filling capillary gaps in concrete



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## APPLICATION FEATURES

Application temperature	: +5 °C - +35 °C
Number of coats to be applied	: 2-3
Operation time	: 40 minutes
Waiting time between floors	: 6 hours
Waiting for the application of the topcoat	: Min. 7 days
Time required to fill water tanks;	
Min 7 days at positive pressure	
Min. at negative pressure 14 days	

## SURFACE PREPARATION

- Application surfaces must be clean, moist, sound and free from dust, grease, dirt or materials preventing adhesion must be removed from the surface.
- Mortar, cement residues, dust, lime, paint residues, mold oils, etc. should be scraped off the application surface with a brush.
- Immediately before application, surfaces such as concrete and cement based plaster should be carefully moistened with clean water. Wait until the surface absorbs the water and make sure that the surface is damp rather than wet during application.
- The strength and bearing capacity of the surfaces on which crystallized waterproofing material will be applied should be checked before application, and application should not be made on unsound surfaces. Significant defects and holes on the surface, crystallized waterproofing with repair mortars at least 24 hours before material application must be repaired.

## APPLICATION

- Slowly add 25 kg VitrA Fix Proof Crystal to 7.5-8 liters (30-32%) of clean water and use a low speed mixer (400 rpm) until the mixture is homogeneous and free of lumps.
- The mixture should be rested for 3 minutes before application and applied after mixing again.
- The prepared mixture should be applied to the surface with a roller in minimum 2 coats. The first coat should be applied from right to left or top to bottom.
- 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.

## PRECAUTIONS

- No other substance other than the specified amount of water should be added to the product.
- Products with petrification detected after opening should not be used.
- The product should be applied directly on concrete or exposed concrete surfaces.
- The applied surface should be moisturized for 5 days and protected from direct sunlight, wind, frost, etc.
- The surface should be protected from mechanical loads for at least 48 hours after application.
- The applied surface should not be exposed to UV or pedestrian traffic.

## 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.