

VitrA Fix HP



Acrylic dispersion based, ready to use, non-slip, paste type adhesive mortar

DESCRIPTION

Ready-to-use, paste type, acrylic based tile adhesive with high adhesion strength and flexibility, used for bonding ceramic tiles, marble, thermal insulation plates, glass bricks and glass mosaics to walls and floors.

AREAS OF USE

- For ceramic tile applications on surfaces such as gypsum plaster plates, cement particle board (betopan), etc.
- For ceramic applications on difficult surfaces such as paint, ceramic, exposed concrete etc.
- Used in renovation and remodeling works.

FEATURES

Material structure : Various emulsion-based fillers, elasticizing additives
 Type : Ready dispersion in cream form
 Color : White
 Density : $1.75 \pm 0.05 \text{ gr/cm}^3$

TECHNICAL PERFORMANCE*

Shear bond strength
 - initial (after 28 days) : $\geq 1 \text{ MPa (N/mm}^2)$
 - after heat aging : $\geq 1 \text{ MPa (N/mm}^2)$
 - after aging with water : $\geq 1 \text{ MPa (N/mm}^2)$
 - after freeze thaw cycle : $\geq 1 \text{ MPa (N/mm}^2)$
 - open holding time shrinkage adhesion strength (after 20 min.) : $\geq 0.5 \text{ MPa (N/mm}^2)$
 Shear : $\leq 0.5 \text{ mm}$
 Flexibility : Medium
 Temperature resistance : $30 \text{ }^\circ\text{C} - +70 \text{ }^\circ\text{C}$
 Reaction to fire class : A1 (TS EN 13501 - 1)

*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 12004-1 / D2T class.

CONSUMPTION

Average 3-4 kg/m² may vary depending on the application surface, tile size and comb size used.

PACKAGING

In 15 kg plastic bucket packages (44 pieces per pallet / 660 kg)
 In 5 kg plastic bucket packages (60 pieces per pallet / 300 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 must be above +5 °C.
- Maximum 2 pallets 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 tightly closed in an airtight manner. The mortar in the bucket should be covered with airtight nylon.

- Clean and easy application in renovation works
- Strong adhesion performance
- Easy troweling
- Practical solution on difficult surfaces with its elastic structure
- Possibility to lay ceramic tiles from top to bottom without slipping



VitrA Fix HP

APPLICATION FEATURES

Mixing ratio	: ready-to-use mixture
Working and tile correction time	: 20 minutes
Time to use the mixture (pot life)	: 3 hours
Application temperature	: +5 °C - +35 °C
Jointing time	: minimum after 24 hours

SURFACE PREPARATION

- Application surfaces must be free from dust, dirt, oil, etc., must be smooth and solid, must not be too dry or sweating. Moisture content of the application surface should not be above 5%.
- On surfaces that have been polished or hardened afterwards (concrete, etc.), the hardness or gloss of the surface must be removed by scraping, etc. before application.
- There is no need to use primer for applications on plaster.
- Ceramic etc. glossy surfaces should be primed with **VitrA Film Plus** before application.
- 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.
- Necessary repairs should be made using **VitrA Fix RM 20** or **VitrA Fix S 30** before tile installation.

APPLICATION

- **VitrA Fix HP** is ready-to-use tile adhesive. The product can be used directly after opening the package.
- **VitrA Fix HP**, which is spread well on the surface with the flat side of the toothed steel trowel, should then be combed to the desired tooth thickness. It is recommended to use V5 or V6 comb types for application.
- When laying nail-backed coating materials, it is necessary to apply adhesive until the nail depth is filled.
- The tile should be lightly rammed with a rubber mallet for the adhesion to be firm and for the adhesive to fully spread and adhere to the back of the tile.
- Joint filling should be started at least 24 hours after the bonding process.

APPLICATION SURFACES

It is used on cement based plaster and screed surfaces, exposed concrete surfaces, gypsum and wood based surfaces.

PRECAUTIONS

- **VitrA Fix HP** should not be applied on the floor outdoors.
- It is not suitable for use in areas exposed to permanent water (pool, water tank, etc.).
- If hardening or petrification is detected in the product after opening the package, the product should not be used.
- Do not apply directly on metal, rubber, PVC surfaces.
- Do not apply on unset plastered and concrete surfaces (horizontal and vertical) before the curing period is completed.
- The open time of **VitrA Fix HP** is 20 minutes. However, in unsuitable ambient conditions (high temperature, dry air and strong wind) or on surfaces with high absorbency, the open time is shortened. Therefore, a wetness test should be performed by touching the surface of the adhesive with a finger in case of premature drying and film formation. If the adhesive is not smeared on the fingers, the application time has elapsed. It is not possible to bond by wetting the dried adhesive surface. In this case, the dried or filmed adhesive must be scraped off the surface and a new application must be made. Drying time may be prolonged in low temperature and high humidity ambient conditions and in tile-on-tile applications.
- The product should be consumed within 3 hours after opening the package.
- Tiled surfaces should be protected from direct sunlight, frost and rain for at least 24 hours.
- In ceramic-on-ceramic applications, the drying time of the product can be up to 1 week depending on the ambient conditions and size. For this reason, cement-based, high-performance adhesive mortars are recommended for bonding large-sized ceramics with low water absorption.

SAFETY INSTRUCTIONS

- Avoid contact with skin and eyes. Contact areas should be washed with plenty of water.
- It is recommended to use rubber gloves during product application.
- 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.