

Tilex® V2

Tile Adhesive / Powder / with high adhesion and sealing properties

Tilex V2 is a tile adhesive product based on Portland cement improved by a polymer. This product will be resistant to moisture after drying with respect to the used polymers in the product. This product is produced based on the requirements of the disperse grade of the Iran National Standard No.12492-1. Also, this product meets the requirements of the EN 12004-1 Standard.

The physical and chemical properties of the Tilex V2 are according to the following table and produced based on the allowable changing range in the Iran National Standard No.12492-1.

Physical State	Powder
Color	Grey and White
Bulk Density of the Powder	$1/32 \pm 0/05 \text{ g/cm}^3$
The density of the prepared adhesive	$1/76 \pm 0/05 \text{ g/cm}^3$
Chloride Content	Little

The usage and effect of the tile adhesive

The usage of the tile adhesive

- Installing tile on tile
- Installing different types of tile and ceramic on different vertical or horizontal surfaces
- Bonding different types of natural and artificial stones on different vertical and horizontal surfaces.
- Usable for surfaces adjacent to water such as pools, bathrooms, restrooms, etc. without any other admixtures.
- Usable for inner and outer environments of the building
- Usable for chalky and cementitious surfaces.

The advantages of using the tile adhesive

- It has high durability and bonding strength
- It is resistant to slippage
- It is resistant to moisture
- Without a decrease in volume and without cracking.
- It is easy and fast to use
- It does not have a quick setting time and the section can be moved within some minutes after installation.
- It leads to impenetrability against moisture
- Effective for waterproofing structures

The instruction to use the product

The allowable range and instructions to use the adhesive tile

The amount of using Tilex V2 is 2 to 4 kg per 1 square meter depending on the condition of the surface beneath the work (The porosity and roughness).

- 1. Surface preparation:** The desired surface must be cleaned from contaminations like dust, oil, and other dirt.
- 2. Mixing:** Mix each 20 kg powder with 4.5 to 5.5 liters of water and continue mixing to reach a uniform and homogenous paste. Finally, rub the adhesive paste on the tile with a grooved chisel on the surface. The Tilex V2 must be used within 60 minutes after mixing with water. Also, the installation of tile on the surface should be accomplished within 20 minutes. The temperature beneath the work must be 5 to 40°C for installation. Joint the tiled surface 24 hours after the process is finished.

Note:

The subgrade of implementing tiles and the instruction to apply the adhesive on it must be in a way that at least 60% of the back of the tile is covered with adhesive paste.

Safety tips for using the adhesive

This product is not categorized as a dangerous substance; however, it can be allergic to contact with the skin. Therefore, it is necessary to use a suitable gown, goggles, and mask while working and take the following tips into consideration:

- Blink in water for at least 15 minutes in case of eye contact
- Wash your skin with clean water for 15 minutes in case of any contact with the skin
- The contaminated clothes must be washed with suitable detergents to be usable for further work.

Other necessary notes in using the adhesive**Compatibility of the adhesive with other products**

The simultaneous use of this product with other admixtures of Capco Company is allowed.

The corrosion of the adhesive

This product does not start or extend corrosion in the buried bars in concrete, the pre-stressed steel, floor systems, and the roof made of galvanized steel.

Transportation and storage of the product**The conditions and maintenance temperature of transportation**

The allowable transportation and maintenance temperature of this product is between 5 and 35 °C. It is also necessary to consider the following tips:

- Avoid putting the container having the admixture in direct exposure to sunlight

The adhesive lifetime

If the containers of this product are conserved and stored in a standard condition, they will be usable for 12 months.

The packaging

This product is supplied in 20 Kg packets.

Complementary information

Contact the technical section of Capco Company for complementary information. You can also refer to the performance form of (Tilex V2-PPI) V2 for more information on the performance of this product.