

Tilex® V100

Ceramic & Tile Adhesive for Porous Surfaces/ Powder

Tilex V100 is a ceramic and tile adhesive based on Portland cement improved by a polymer that has bonding and is resistant to moisture. This product will be resistant to moisture after drying with respect to the polymers used in the product. This product is produced based on the requirements of the cementitious 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 V100 are according to the following table and produced in the allowable range of the Iran National Standard No.12492-1.

Physical State	Powder
Color	Grey and White
Bulk Density of the Powder	1/45 ± 0/05 g/cm ³
The density of the prepared adhesive	1/55 ± 0/05 g/cm ³
Chloride Content	Little

The usage and effect of the tile adhesive

The usage of the tile adhesive

- Bonding different types of tile, ceramic, and natural and artificial stones on vertical surfaces with high water adsorption and all horizontal surfaces.
- Usable for inner and outer environments of the building and on all types of porous surfaces with high water adsorption.
- Usable for chalky, cementitious, etc. surfaces.

The advantages of using the tile adhesive

- It has high durability and bonding strength
- It is resistant to slippage
- Without a decrease in volume and without cracking.
- It is resistant to moisture
- 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.

The instruction to use the product

The allowable range and instructions to use the tile adhesive

The amount of using the Tilex V100 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 to implement on the floor:** 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 V100 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 thickness of the adhesive must not exceed 3 mm after installation on the wall.
- 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 admixture

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 V100-PPI) V100 for more information on the performance of this product.