

CapcoBond MO40

Bonding Agent / Admixture for Concrete and Mortar

CapcoBond MO40 is a water-based polymer that is used as a bond as well as to improve concrete and mortar sealing. The CapcoBond MO40 is a resin and disperses in the water therefore, can increase the bonding between concrete components. This product is produced based on the Iran National Standard No. 19224. Also, this product meets the requirements of the ASTM C1059 Standard.

The physical and chemical properties of CapcoBond MO40 are according to the following table and produced in the allowable changing range of Iran National Standard No.19224.

Physical State	Liquid
Color	White
Chemical base	Aromatic
Density	1/01 ± 0/01 g/cm ³
Freezing Temperature	-2°C

The usage and effect of bond on the concrete and mortar

The usage of the bond

- increasing the bonding of the mortar, concrete, and tile adhesive, ...
- As a primer for the bottom surface of color work, tile adhesive, ...
- Repairing the honey-combed concrete
- As a concrete cure for local repair
- Increasing the durability of the mortar
- Surface and volume sealing of the concrete and mortar

The advantages of using the bond

- Increases the bonding between the concrete and mortar components
- Dilutes with water with any proportion
- Improves the coherence and uniformity of concrete and mortar
- It is not dangerous and is easy to use
- It is resistant to water penetration
- It is moisture resistant and can be used for outer works.

The instructions to use the bond in the concrete and mortar

The allowable range and instruction to use the bond

- 1- **To increase the bonding of the concrete, mortar, and the tile adhesive:** add 10% by weight of the cement to the mortar mix. Also, 5% to 10% by weight of the powder can be added to the tile adhesive powder to increase the bonding and sealing.
- 2- **To improve the sealing of the mortar and concrete:** add 1% to 3% by weight of the cement to the mortar or concrete.
- 3- **As a cure:** This product is used to protect the repair mortar from evaporation and losing water. However, other curing methods are required in very hot and dry environments. To cure the concrete, a liter of this product should cover 4 to 5 m².
- 4- **As a color primer and tile adhesive:** The desired base surface should be covered with this product which is diluted with 1:3 proportions to fill the pores

Safety tips when using the bond

This product is not categorized into dangerous substances; however, it can be allergic to contact with 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 regarding this product

The simultaneous use of this product with other admixtures of the Capco Company in a mix design is allowed. However, it is necessary to batch each admixture separately and then add it to the concrete mix.

The corrosion of the bond

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 admixture substance

The conditions and temperature of maintenance and transportation

The allowable transportation and maintenance temperature of this product is between 5 and 25. It is also necessary to consider the following tips:

- Avoid putting the container having complementary substances in direct exposure to sunlight.
- Prevent the product from freezing

The lifetime of the bond

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

The packaging of the product

This product is supplied in 1, 5, and 20 Kg gallons.

Complementary information

Contact the technical section of Capco Company for complementary information. You can also refer to the performance form of (CapcoBond MO40-PPI) CapcoBond MO40 for more information on the performance of this product.