

SilCoat® CS590

Building Façade Sealer / Silicone - Acrylic

SilCoat CS590 is a Silicone-Acrylic-based water-soluble product. The CS590 polish is odorless and petroleum solvent-free that has a suitable bonding to different structural surfaces. This product develops hydrophobic, dustproof, and waterproof properties by making a thin layer and penetration inside the substrate as well as retaining the surface breathing and developing a relative gloss. This product can be diluted with water up to 50% depending on the area it has to cover.

This product meets the requirements of National Standard No. 18330-2. Also, this product meets the requirements of grade IP and MC of the EN 1504-2 Standard.

The physical and chemical properties of SilCoat CS590 are according to the following table and are produced in the allowable range of the Iran National Standard No.18330-2

Physical State	Liquid
Color	Milky
The Specific Weight	1/03 ± 0/02 g/cm ³
Volatile Organic Compounds	None

The usage and effect of facade breathing polish

The usage of the façade breathing polish

- Making the concrete, stone, chalky, brick, roof pantiles, cobblestones, etc. impenetrable
- Protecting building facade
- Protecting historical sites against environmental effects

The advantages of using the façade breathing polish

- It is waterproof and resistant to moisture
- It penetrates inside the surface of the materials but retains surface breathing
- It is washable and self-cleaning after rainfall.
- It is volatile organic compounds-free
- It is resistant to sunlight (UV)
- It is dustproof and does not make soot on the surface. Also, it prevents the change in material color
- It has a high-service life
- It can protect the surface from carbonation and chloride-ion penetration

The instruction to use the façade breathing polish

The allowable range and instructions to use the product

- 1- Surface preparation:** the desired surface must be cleaned from contaminations like dust, oil, weak particles, yeast, and other contaminations.
- 2- Implementation:** This product can be implemented by spray, roller, or brush. A coating layer of SilCoat CS590 is usually enough to protect the surface therefore, it is necessary to prevent the accumulation of materials on the surface. This product must not be implemented if the temperature of the bottom surface is below 5°C or over 40°C or if there is the possibility of rainfall or harsh wind in the next 8 hours. Let the surface dry in case of rainfall or washing and then implement the product operations. The amount of use of this product directly depends on the porosity of the surface. The amount of using the product for 1 square meter is 200 to 250 grams.

- 3- Performance:** It is necessary to let the product dry for 1 to 3 weeks to fully evaluate its performance.

Safety tips for using the façade breathing polish

This product is not categorized into dangerous substances; however, it can be allergic in 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.
- It is necessary to visit a doctor if the injured individual still feels uncomfortable

Other necessary notes or using the façade breathing polish

The corrosion of the façade breathing polish

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 30 °C. It is also necessary to consider the following tips:

- Avoid putting the container having the admixture in direct exposure to sunlight
- Prevent the product from freezing

The lifetime of the product

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 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 (SilCoat CS590-PPI) CS590 for more information on the performance of this product.