

## SilCoat® W

Building façade Sealer / Penetrant / Water-based Silicone .

SilCoat W is a Silicone Sealer without the solvent and hydrophobic impregnation property that penetrates inside the capillary tubes of the surface without changing the color and form of the material and strengthens them against water penetration, atmospheric gases, and dust by destroying their surface adsorption.

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

The physical and chemical properties of SilCoat W 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                      | Colorless                     |
| Specific Weight            | 1/02 ± 0/02 g/cm <sup>3</sup> |
| Volatile Organic Compounds | None                          |

### The usage and effect of building façade sealer

#### The usage of the building façade sealer

- 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 building façade sealer

- 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 does not have volatile organic compounds.
- It is inflammable and non-toxic.
- It does not nitrify.
- 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

### The instruction to use the building façade sealer

#### 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.

This product can be implemented by spray, roller, or brush. A coating layer of SilCoat W is usually enough to protect the surface therefore, it is necessary to prevent the accumulation of materials on the surface. The implementation must be accomplished as much as the surface is capable of penetrating. Also, for porous surfaces such as concrete cobblestone, the impregnation method can be done by submerging the element in a SilCoat W pool for 15 to 20 seconds. 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 for 72 hours in case of rainfall or washing and then implement the product operations. The amount of using this product directly depends on the porosity of the surface. The amount of using the product for 2 to 4 square meters is 1 kg for clay brick, concrete, cobblestone, and other materials with high adsorption. The amount of using for low-adsorption surfaces such as stone, ceramic, and tile is 1 kg for 4 to 8 square meters. It should be noted that the accurate amount must be determined by carrying out a test on the surface of the site. Besides, the tools must be washed with water once the operation is done.

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

### **Safety tips for using the building façade sealer**

This product is 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.
- Wash your mouth and avoid vomiting in case of swallowing it
  - It is necessary to visit a doctor if the injured individual still feels uncomfortable

### **Other necessary notes or using the building façade sealer**

#### **The corrosion of the building façade sealer**

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:

- Tighten the lid of the container after using.
  - 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, 4, 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 W-PPI) W for more information on the performance of this product.