

ACS SILANSEAL PLUS®

Nano Silane Siloxane Based, One-component, Matte Protective Material for Outdoor and Indoor Use



■ Description

ACS SILANSEAL PLUS® is a Nano Silane Siloxane based, one-component, solvent-containing colorless matte impregnated material with water-repellent functions for decorative, rustic and blend brick and concrete surfaces, limestone, slate, for all natural and artificial stones, tuff stone, historical artifacts.

■ Place of usage

- Indoor and outdoor on horizontal surfaces.
- On all types of concrete, exposed concrete and precast concrete.
- On all natural stones, limestone, slate, all brick surfaces.
- Used to protect all kinds of historical buildings from atmospheric effects.

■ Advantages

- One-component, easy application (by roll or airless spray).
- Forms matt surface.
- Resistant to freeze-thaw cycle.
- High resistance to alkaline and UV rays.
- Provides high protection for a long time without affecting the appearance of the surfaces.
- Has permeability to water vapor. It does not cause moisture buildup under the layer therefore lets the surface stay dry.
- Sinks into the surfaces, prevents dusting and vivifies the surface.

TECHNICAL CHARACTERISTICS

ACS SILANSEAL PLUS®	Silane Siloxane Resin
Color	Color Less
Density	0,80 kg/ltr (at 20°C)
Service Temperature	-20°C -+ 80°C
Drying Time	24 hours
Minimum Waiting Between Layers	2-3 hours -at 20°C
Full Cure	7 days / at 20°C
Ambient Temperature	+5°C -+ 35°C
Surface Temperature	+5°C -+ 30°C

NOTE: The above values are given at + 23 °C and 50% relative humidity environment. High temperatures shorten the time, low temperatures prolong the time.

APPLICATION PROCEDURE / PREPARATION OF SUBSTRATE

First of all, paraffin, oil, grease and loose particles must be cleaned. In order to make the product sink into the surface thoroughly the surface should be cleaned with a pressurized water jet and after the surface has dried, the application may start.

MIXING

ACS SILANSEAL PLUS®, is a one-component product. It is ready for use and should not be mixed with any material.

APPLICATION METHOD

ACS SILANSEAL PLUS®, should be applied on a clean surface with a roll or a brush. (May also be applied with airless spray.) Do not add water to the product.

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CONSUMPTION

ACS SILANSEAL PLUS® is applied in two or three layers approximately with 0,300 – 0450 kg/m² consumption.

TIPS TO NOTICE

- The relative humidity of air should be highest % 80, ambient and/or substrate temperature during application should be between +10°C+35°C. Avoid application under excessive heat or wind and in rainy weather.
- The materials to be used at the appropriate temperatures should be brought and stored in the application area 1-2 days prior to the application and adjust the ambient conditions.
- In extremely cold conditions, heaters should be used to increase the ambient and the workability of the product, the packages should be preconditioned to +20°C - +25°C to become ready to use.
- The reaction and workability times of resin based systems depend on the ambient and substrate temperatures as well as the relative humidity. Under lower temperatures, the chemical reaction times are prolonged and this increases the pot life, coating interval and the working time. In addition to this, the consumption is increased as the viscosity increases. High temperatures ignite stronger chemical reactions and the above mentioned times decrease accordingly.

CLEANING OF TOOLS

Tools and equipment can be cleaned with cellulosic or polyurethane thinner after application.

PACKAGING

ACS SILANSEAL PLUS® 5 lt metal tins.

STORAGE

In unopened original package, it should be stored in a cool and dry environment at + 10 °C + 25 °C temperature protected from the freezing. In short-term storing, maximum 3 palettes can be stowed on top of each other and delivery has to be according to first in first out system. In long-term storing, the palettes must not be stowed on top of each other.

SHELF LIFE

The shelf life is 12 months from the date of production under suitable storage conditions.

IMPORTANT NOTE

ACS SILANSEAL PLUS® Make sure that the ventilation works while applying inside; gloves, goggles and masks should be used. The product is flammable as it contains solvent. Take necessary precautions during storage and application. Ventilate the application areas, do not smoke and electrical short circuit is not used in the application area.

SAFETY

During the application, work clothes, protective gloves, goggles and masks should be used in accordance with the Occupational Health and Safety Rules. Due to the irritating effects of uncured materials, the components should not be allowed to come into contact with the skin and the eye. In case of contact, immediately wash with plenty of water and soap. If swallowed, seek medical advice immediately. Food and beverages should not be left at the application areas. Keep out of reach of children.



□ Responsibility

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. ACS A PLUS CONSTRUCTION SOLUTION YAPI ANONİM ŞİRKETİ is only responsible for the quality of the product. ACS A PLUS CONSTRUCTION SOLUTION YAPI ANONİM ŞİRKETİ is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones (06/2019)