



SILICONE COATING SOLUTIONS

Instructions

Sil-Wall 5000

SIL-WALL 5000 SERIES

Sil-Wall 5000 Series Solvent-Free Silicone Coating is a one-component, moisture curing silicone coating system that is designed for above grade air and waterproofing applications. Once cured it displays excellent long-term resistance to natural weathering, humidity, high and low temperatures with no adverse effect to the product. Silicone Coating Solutions Sil-Wall 5000 series waterproofs while still allowing the building to permeate for building moisture management.

Conditions before Sil-Wall Is applied

Perform a adhesion test to surface of building before installation of product, this is accomplished by thoroughly cleaning a small area, and after it dries applying a with a brush a layer of Sil-Wall 5000 series on the area, after 24 hours, test area to see if it peels up, or remains imbedded in clean area, SCS sells Multiple primers to help ensure product has good adhesion. This will determine what primers are needed for owner of property

Contractor shall be an approved applicator by Silicone Coating Solutions who has a general knowledge and understanding of standard air moisture barrier practices.

Before Applying of Sil-x Restoration System there will be a conference with the owner's representative to assure a clear understanding of the specifications. The Contractor shall attend the conference And an SCS Rep

Storage

Sil-wall 5000 Series when stored in unopened containers has a recommended shelf life of 12 months from date of manufacture and between 40°f and 80°f.

It is best not to open Product until ready to use, to prevent air and moisture from Curing the product, If Product is opened and all of Product not used, SCS Recommends putting a thin layer of mineral spirits on top before you shut the lid, unless you have access to dry nitrogen, to shoot in bucket or drum

The Below Primers are recommended for use with Sil-wall To ensure adhesion of Sil-wall to cover your walls, buildings fences etc

BB-1100 **Bleed Blocker Primer** - is formulated with “bleed resistant” materials to block the bleed through of those asphaltic components that can discolor topcoats. It has been designed to provide a long lasting flexible membrane with exceptional resistance to

weathering. With its special formulation, it has the unique ability to “breathe”, providing a completely watertight membrane while allowing trapped moisture to escape.

SP-1500 Primer is A high quality, plasticizer free, single component, water-based, acrylic primer for spray brush or roller application. It has been designed to provide both excellent adhesion as well as plasticizer migration resistance. With its special formulation, it has the unique ability to “breathe”, providing a completely watertight membrane while allowing trapped moisture to escape. Has excellent adhesion to most single ply surfaces including PVC, Hypalon and aged TPO.

RI-1300 Rust Inhibitor Primers is a high quality, water-based, rust inhibiting, low VOC for spray brush or roller application. A self-cross-linking technology that provides low VOC levels with greater corrosion resistance and adhesion properties. With its special formulation, it has the unique ability to resists heat, cold, moisture and weathering. Dries quickly for a reduced time before silicone coating application.

PF-1280 is stitch-bonded, low profile, polyester designed for use with the Sil-WALL 5000, Sil-Wall 4000L, Sil-Roof 9000 Series and Sil-Roof 8000L Series, roofing and waterproofing systems to form a strong, yet conforming membrane. PFPF-680 and PF-1280 used to increase tensile and add strength to moving joints and flashings.

Sil-Gap 1000 Butter Grade Silicone Sealant is a thick, flexible liquid membrane that is a dispersion of 100% silicone rubber. It is designed to seal abnormal roof penetrations as well as gaping holes that cannot be covered with standard sprayers or rollers. Sil-Gap 1000 features low odor, ease of application, fast moisture cure, and superior adhesion to a variety of substrates.

Conditions of building before you start project

Do not Proceed with installing Primers or Sil-wall on building Structure until all cracks in exterior wall issues have been fixed, listed below are some of the items you might run into

Rotten plywood-moldy wet insulation, Bad gutters, caused from years of water damage-etc, a written disclaimer may be required to be signed off on certain damage if Owner wants to proceed without fixing these areas of concern..

SCS recommends Pressure washing all Building Wall exterior of surfaces of grease, oils or heavy contaminants, Bleach diluted with water, or other cleaning agents may be used to help clean Exterior walls- thoroughly rinse surface and allow to dry prior to coating, all surfaces must be clean, dry and free of loose particles. Cracks can be filled with SCS approved silicone sealants. If this is not done, Product will not adhere to the surface correctly

Thoroughly investigate all Exteriors walls where Sil-wall is being applied and reinforce them with polyester tape and butyl tape as needed, please refer to installation spec on these items

Sil-wall 5000 Series Installation

Contractor shall take photographs of all Exterior wall areas, before work is performed

Check the weather to ensure no rain is in the forecast while applying Sil-roof tack up time is usually one to two hours after product is applied.

Surfaces to be coated with Sil-Wall 5000 Series Coating must be properly prepared. All surfaces must be clean, dry and free of loose particles. Cracks and holes must be filled if greater than 1/8 inch wide. Cracks can be filled with SCS approved silicone sealants. Surface temperature of the substrate below 120°F (49°C) before installing Sil-Wall 5000 Series. The coating can be easily applied with brush, roller or standard airless spray. Skin-over is achieved within 30 minutes of application and tack free in 1-2 hours under most conditions

Stir thoroughly before application to achieve a uniform consistency. Apply with a brush, heavy-duty paint roller or heavy-duty spray equipment.

The Sil-wall 5000 series can be easily applied with brush, roller or Commercial airless sprayer

Due to the high viscosity of the material, a high-pressure airless sprayer capable of producing a minimum of 3500 PSI at the spray gun head should be used. The pump should have a minimum of 3 gallons per minute output rate. Always use components rated for pump pressure. Hoses should be BUNA-N jacketed for prevention of moisture contamination. Hoses should have a minimum I.D. of 3/4" and an adequate working pressure. The spray gun should be high pressure (5000 PSI) with reverse-a-clean spray tip, having a minimum orifice of .029 and a 50° fan tip. Have extra spray tips available for back up incase a tip goes bad , and different sizes .035 to .043 is a good size

Applying the product to correct mil rate is crucial to the success of the product, in many cases this may require two coats to acquire correct mill rate, please refer to warranty contract to ensure correct mills are applied, to surface,

SCS Rep will be there to assist you in this area

Take all necessary precautions to ensure that damage and overspray will not occur, This product will carry in windy condition, Great care needs to be taken to ensure Product does not get on cars, and personal Building etc -- SCS is not responsible for damages caused by the overspray of its products.

Job Completion

Inspect completed coating system and correct all defects to meet the specification and/or warranty requirements.

Transparent or Thin Areas: If areas appear to be undercoated, recoating may be needed to ensure correct mill rate was applied, check all seems, and cracks for proper adhesion and correct mil rates

A Silicone Coating Solutions Technical Representative will inspect the completed coating system and notify the contractor of any defects in the application.

Contractor shall take photographs showing all work completed, this includes all Flashing, skylights, walkways, and mechanical area where work was performed

CLEAN UP

Be careful removing all Taped off areas, ensure property is clean from defects and debris, look for any over spray that needs to be cleaned up off of gutters, or HVAC systems, Mineral Spirits works well for cleaning of Sil-X7000 . Property should be neat and clean before you leave , with a new appearance.