

Spray Application Guide

Product Safety, Handling and Storage

Customers considering the use of this product should review the latest Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Safety Data Sheets are available at www.VictoryPolymers.com or, upon request from any Victory Polymers representative. Use of other materials in conjunction with Victory Polymers sealant products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Uncured Product Storage

Victory Coat S96 LVC silicone roof coating should be stored in sealed containers in a dry area, out of direct sunlight and high heat. Do not open containers until ready for use and store containers at or below 109°F (43°C) to maintain full shelf life. Victory Coat S96 LVC silicone roof coating generally can be stored in unheated warehouses during the cooler months without the risk of freezing.

Victory Coat S96 LVC silicone roof coating reacts with atmospheric moisture to cure. Once containers are open and exposed to the atmosphere, a skin will form on the material over time. The formation of skin will be negligible in winter months but can form quickly (minutes) under hot and humid conditions. Cured skin that has formed on the top of the material must be removed or screened from the bulk material, as it may contribute to pump clogging. Take appropriate precautions to cover open containers during use.

Installation

Surface Preparation

Victory Coat S96 LVC silicone roof coating can be applied to itself as well as a variety of roofing materials and substrates including: single ply membranes (TPO, PVC, EPDM, CSPE, and Hypalon), spray-applied polyurethane foam, metal, concrete, and common parapet/coping materials. Asphaltic substrates such as; modified bitumen, smooth BUR, and granulated cap sheet may require bleed blocker. Surfaces to which Victory Coat S96 LVC silicone roof coating is to be applied must be clean, dry, structurally sound and free of loose particles, dirt, dust, oil, frost, mildew and other contaminants. Damage to the underlying roof system, such as cracks, openings, holes, etc. should be properly repaired prior to application. Saturated substrates must be removed and repaired appropriately. Users of Victory Coat S96 LVC silicone roof coating should verify that suitable adhesion can be attained to all existing roofing materials to be coated prior to large scale application of the coating. It is recommended that a test patch be cleaned and coated with Victory Coat S96 LVC silicone roof coating to verify the effectiveness of the asphalt bleed cleaning method and adhesion to the surface(s).

Application Guidelines

Victory Coat S96 LVC silicone roof coating should be applied as received and dilution with solvent is not recommended. If settling in the package has occurred, stir or shake the material prior to use. Care should be taken to avoid overspray onto adjacent building materials, vehicles, plants, etc. Overspray can be cleaned up before it has cured by wiping alternately with solvent and dry rags. Cured material can be removed from surfaces with a razor blade, or scrubbed off with steel wool or synthetic abrasive pads and solvent. To control overspray, avoid spraying in winds that may cause drift. Surfaces not intended for coating should be masked or covered.

Victory Coat S96 LVC silicone roof coating should be sprayed or rolled ensuring uniform build and thorough coverage and can be applied in one coat. If applying in multiple coats, allow adequate time between each coat for the coating to cure before applying additional coat. Final cured film thicknesses must be free of voids, pinholes, cracks or blisters.

Overview

Victory Coat S96 LVC silicone roof coating is a high performing protective barrier for a variety of architectural surfaces and roofing substrates. Upon cure, Victory Coat S96 LVC silicone roof coating forms a durable, breathable and weatherproof roofing membrane that is highly resistant to degradation from UV and natural weathering.

Features and Benefits

- High Build Formulation
- Unaffected by Standing Water
- Storage & Shelf Life
- Ease of Use
- Silicone Durability
- VOC Compliant

Basic Uses

Victory Coat S96 LVC silicone roof coating is an excellent product to consider for coating structurally sound roofing applications including: single ply, modified bitumen, BUR, foam, metal and other horizontal, vertical roofing, and existing coatings. Perform an adhesion test on each surface type to ensure a secure bond has been made.

Application Temperature

Victory Coat S96 LVC silicone roof coating can be applied throughout the year as long as the substrates being coated are completely dry. Frost and/or moisture will interfere with adhesion. Lower temperatures will lengthen the skin over, tack free and ultimate cure time and may require an overnight cure in winter months to allow the top coat application to proceed (film build may not be sufficient to allow walk over). Higher temperatures will accelerate the cure rate and decrease the open time of the coating. Contact manufacturer if applying to substrates over 120°F (49°C).

Application Equipment

Victory Coat S96 LVC silicone roof coating can be applied by spraying, rolling or brushing. Victory Coat S96 LVC silicone roof coating works with most commercially available spray application equipment that can deliver a minimum of 3,300 psi at the spray tip for at least 2.2 gallons per minute. Always use components rated for the required pump pressure. Hoses should be vapor lock type for prevention of moisture contamination. Contact Victory Polymers' technical services for equipment recommendations.

Cleanup of spray equipment containing uncured material may be accomplished by flushing with mineral spirits or toluene. DO NOT USE water or alcohol based solvents. Victory Coat S96 LVC silicone roof coating cures by reacting with moisture, thus it should not be left in pumping equipment and hoses for prolonged periods unless equipment contains moisture lock hoses, fittings and seals. Equipment without moisture lock hoses, fittings and seals may transmit sufficient moisture vapor to gradually form cured material on hose walls and at unsealed connections. This can cause increased operating pressures and flow restriction.

Application Thickness

Theoretical maximum coverage rate of Victory Coat S96 LVC silicone roof coating is 14.4 mils (390 microns) DFT / gallon / square.

- Using 21 dry mils (610 microns) basis, coverage rate of Victory Coat S96 LVC silicone roof coating is approximately 1.5 gallons (5.7 liters) / square.

Coverage rates are approximate. Irregular surfaces and other factors may yield different coverage rates. Testing should be performed to determine actual coverage rates necessary to achieve desired mil thickness.

Granules: As an optional finish, granules may be installed into topcoat while it is still wet. Typical application rate is 40 pounds (18 kilograms) per 100 square feet (9.3 square meters). Contact the granule supplier or manufacturer for guidelines on suitable granule size and rate of granule coverage.

Coating Vertical Surfaces

When coating vertical wall surfaces other than parapets and walls directly associated with the roofing system, silicone architectural coating is suggested. Contact a Victory Polymers representative for additional information.

Review all specifications and details for complete installation information. Please contact Victory Polymers for more information.

Precautions

Victory Coat S96 LVC roof coating is not recommended for the following:

- Use on pedestrian, deck or frequent traffic bearing surfaces.
- Cold storage roofing application without vapor barrier, cryogenic tank applications. Not designed for primary water containment.
- Unprepared surfaces including but not limited to those that are wet, dusty, oily, mildewed, heavily chalked, blistered or other-wise structurally unsound.
- Building materials that might bleed oil or solvents. These include, but are not limited to, certain vulcanized rubber products, tapes, failed sealants, some caulking compounds and asphaltic/mastic materials unless appropriate preparation or primers are used. Consult Victory Polymers Technical Assistance for primer recommendations.
- Surfaces where adhesion has not been verified.
- Inclement weather may negatively affect uncured Victory Coat S96 LVC silicone roof coating by displacement of uncured material; therefore, application of coating should not proceed if heavy rain, hail or snowfall is impending or expected within 24 hours of application.
- Victory Coat S96 LVC silicone roof coating requires atmospheric moisture for propagation of cure thus it is not suitable for use in totally confined spaces.
- See Safety Data Sheet (SDS) for complete safety information.

Technical Assistance

For additional assistance please contact Victory Polymers Corp. at 1-832-240-7222. Any technical advice furnished by Victory Polymers or any representative of Victory Polymers concerning any use or application of any Victory Polymers product is believed to be reliable, however Victory Polymers makes no warranty, expressed or implied, of suitability for use in any application for which such advice is furnished.

Customer Evaluation

The information herein is to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, expressed or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent inferred. All patent rights are reserved.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.