



Siliconizer 1000™ RC-1062

100% Silicone Roofing Membrane

Description:

Lanco® Siliconizer 1000™ is a 100% silicone roof coating, single-component, high solids, solvent-free. It prevents and stops leaks, providing permanent waterproofing that extends the life of concrete roofs and other substrates. It delivers a powerful, elastic, monolithic, water-resistant membrane that adheres strongly to the substrate, does not crack or peel, and accommodates full movement of concrete joints and fine cracks. Its white color reduces the interior temperature of the structure, reflects solar rays, and dissipates heat, thereby lowering energy consumption.

Meets Requirements for:

ASTM D 6694 / ASTM D 7281:	Yes
Cool Roof Rating Council:	Yes
Miami-Dade County:	N/A
VOC Compliant (<10 g/L):	Yes

Product Advantages:

- Durable waterproof protection
- Ponding water resistance on roofs
- Wide application window
- UV-resistant
- Reflects sunlight and reduces temperature
- High durability and outdoor resistance

Performance:

Tensile Strength ASTM D 2370	230 psi@73°F
Elongation ASTM D 2370	311% @ 73°F
Solar Reflectance ASTM 1549	0.829
Thermal Emittance ASTM C 1371	0.90
Solar Reflectance Index SRI: ASTM E 1980	103

Uses:

Lanco® Siliconizer 1000™ is a waterproofing membrane for commercial or residential roofs that reflects heat and UV rays. It works well on low-slope or pitched roofs. Suitable for: Aged asphalt roofs, including BUR and modified bitumen (MB). EPDM, TPO, PVC, and Hypalon® roofs. Spray polyurethane foam (SPF) roofs, metal, concrete, or previously sealed with acrylics. Not recommended for use on any type of tiles.

Technical Data:

Product Type:	100% Silicone
Solids (%):	98% by weight 98% by volume
Weight/Gallon:	10.76 ± 0.05lbs. (4.88 ± 0.02kg.)
Color:	White
Cure Time: TACK FREE TIME	1HR @ 100°F (38°C) & 90% RH
CURE TIME	2 Hrs @ 100°F (38°C) & 90% RH
Coverage: (DFT) Coverage varies depending on surface porosity.	
On smooth surface	Up to 80 sq.ft./ gal.
Can Sizes:	5 gallons
Thinning:	Is not recommended
Cleaning:	Mineral Spirits
Viscosity:	7,000 - 8,000 cps
Permeability:	2 perms
Water Absorption:	0.08
Flash Point:	N/A
VOC:	0 g/L

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

S.D.S.: Available upon request.

Surface Preparation:

Repair defects such as dents, cracks, blisters, deteriorated flashings, cracked metal edges, and any other defects affecting the roof's watertightness. As a preventive measure, seal all roof penetrations, curbs, vents, transition areas, areas where different materials intersect, and other areas prone to leaks using Siliconizer™ Crack Filler. Ensure all roof drains and gutters are clean. For metal roofs, remove rust with a wire brush.

- For new/old concrete surfaces use Everflex™.
- For new/old asphalt membranes, elastomeric coatings, and wood use Siliconizer™ 1000 Primer.
- For new/old metal, new polyurethane, tiles, and old EPDM roofs, primer not required.

Recommended Systems:

For roofs with existing roof coating:

One coat of Siliconizer™ 1000 Primer at 80 ft²/gal.
One coat of Siliconizer 1000 at 50 ft²/gal.

For new, unsealed roofs:

One coat of Everflex Primer at 125 ft²/gal.
One coat of Siliconizer 1000 at 50 ft²/gal.

Surface Cleaning:

Ensure all roof drains and gutters are clean. Before recoating, use a high-pressure washer and hose with Dry-Coat™ Cleaner (DC-2789) to clean the roof. Apply adequate pressure and avoid injecting water into the roof substrate. For areas with dirt, grease, or other stubborn contaminants, scrub with a stiff-bristle brush or broom using additional water and Dry-Coat™ Cleaner. Treat algae or moss as needed, allowing extended exposure time without letting the solution fully dry, as this may hinder thorough rinsing. Use appropriate protective equipment when handling detergents. Rinse thoroughly before application. Use a blower or broom to remove dust, debris, and foreign materials that may affect adhesion.

Perform a test area of coating on the existing surface to verify no bleed-through and proper adhesion before starting the application.

Mixing & Application:

Mixing: Coating may settle during storage. Mix well prior to and during use with a drill and mixing paddle. Use a minimum 3" diameter mixing paddle or hand mix with a suitable paddle until consistent viscosity is achieved.

Application: The coating should only be applied to a clean, dry, and fully prepared roof substrate as described above. It can be applied with a ½"-1" nap roller, brush, or commercial airless spray equipment. After opening the container, use the product as soon as possible. Keep containers covered and sealed whenever possible during use. If a film forms on the product, simply remove it, mix the product, and use the remainder. Apply in a single, even coat across the entire roof surface, including parapet walls, at a minimum coverage of 80 ft² per gallon. The dry film thickness (DFT) must be at least 20 mils. The coating should be applied evenly and without pores. On steeply sloped, rough, or aged surfaces, additional coats may be necessary for a uniform thickness. Ensure the coating is fully cured before applying additional coats. Curing times typically require a minimum of 2 to 6 hours, depending on weather conditions. Complete additional coats within 48 hours; waiting longer may require cleaning the initial coat before application. Apply subsequent coats perpendicular to the previous layer. Spray polyurethane foam must be coated within 24 hours of application. New concrete roofs must cure for at least 28 days before applying the coating.

Commercial Airless Spray Rig : Commercial airless spray equipment capable of producing at least 3,500 PSI at the spray tip is required. The pump must deliver a minimum of 3 gallons per minute and be fed by a 5:1 transfer pump to avoid cavitation. Always use components rated for the pump pressure. Hoses must have a Buna-N cover to prevent moisture contamination and have a minimum internal diameter of ¾" with an adequate working pressure. The spray gun should be high pressure (5,000 PSI) with a reversible spray tip with a minimum 0.030-inch orifice and a 50° fan nozzle. Do not use hoses previously used for acrylics, as their inner layers absorb moisture and initiate the silicone curing process.

Coverage: Up to 400 square feet per pail (80 sq.ft./gallon) depending on surface texture and porosity. Dry film thickness (DFT) should be a minimum of 22 mils.

Clean Up:

Uncured silicone coating can be cleaned or equipment can be flushed with VM&P Naphtha or Mineral Spirits.

Precautions:

- Not recommended for continuous immersion service, for use in cold storage applications without a vapor retarder, or directly over asphaltic surfaces without a sealer.
- Silicone coatings are slippery when wet. Exercise caution when walking on a roof under these conditions.

- Avoid breathing silicone vapors or spray mists. Use an appropriate MESA/NIOSH approved respirator when exposure can exceed recommended PEL. This product is not recommended for interior use. Additional care must be taken to prevent rooftop HVAC equipment from introducing silicone vapors into interior areas during application.
- Keep cleaning solvents away from all sources of heat, sparks, flame, lighted smoking materials, or any other ignition source. Pumping equipment should be grounded to avoid accidental ignition due to static sparks.
- It is not recommended to store this material at temperatures exceeding 100°F (38°C). For maximum shelf life, store between 40°F and 70°F (4°C and 21°C). Higher temperatures will reduce shelf life.
- Remove any skin prior to mixing the material. Once container is opened, all product should be used. Container cannot be resealed without product skinning or curing inside container. Always keep covered and protected from the elements. When transporting this product, ensure that the lid is tight and the containers secured.

WARNING!

Harmful if swallowed.
Suspected of damaging fertility or the unborn child.
May cause long-lasting harmful effects on aquatic life.
KEEP OUT OF REACH OF CHILDREN.

PREVENTION: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling. Do not eat, drink, or smoke while using this product. Avoid release into the environment. Use necessary personal protective equipment.

- If swallowed: Rinse mouth. Call a POISON CENTER or doctor immediately. Do not induce vomiting.
- In case of exposure or concern: Seek medical advice.
- DISPOSAL: Dispose of contents and container in accordance with applicable federal, state, and local environmental laws.

CAUTION: Take extreme care when applying and walking on silicone-coated surfaces. Silicone-coated surfaces are extremely slippery and pose a fall hazard, potentially resulting in severe injury or death. Never walk on wet coatings.

Prior to use refer to S.D.S. for safety data. For chemical Emergency call CHEMTREC 1-800-424-9300

