

SUPER SILICONE SEAL®

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SUPER SILICONE SEAL® ROOF COATING

DESCRIPTION: Super Silicone Seal is a high solids, fluid applied coating formulated using moisture cure, solvent free green technology. creates a shield of protection over your roof membrane helping to protect it from the elements. Super Silicone Seal also contains Pond-Proof™ Technology and out performs traditional solvent and solvent-free products including asphaltic, urethane, thermoplastic and other protective coating products. Super Silicone Seal is formulated to help reduce cooling costs, heat gain, carbon emissions and health hazards associated with these emissions. Electricity usage can be reduced and utility bills lowered. When applied according to the instructions, Super Silicone Seal creates a tough, flexible and resilient barrier that helps prevent damage from severe weather. With proper maintenance, Super Silicone Seal will greatly extend the life of your roof!

PREPARATION:

All surfaces must be clean, dry, and free of any dirt, dust, oil, surface chemicals, or other contaminants that may interfere with optimum adhesion. Rusty metal must be cleaned and primed with a rust inhibiting primer. Surfaces with mildew or biological growth must be cleaned with a bleach solution (two parts water to one part bleach). Clean and pressure wash the roof. A mild detergent with broom is recommended on single ply membranes. Use only a wide fan spray tip or wet vac. Previously coated surfaces must be completely dry and cured. Once dry, seal all penetrations, details and other repairs with Silicone Patch, Polyester Fabric.

APPLICATION:

For exterior use only. Do not store over 100 °F for extended periods of time. DO NOT THIN. Rain, dew, fog, frost and relative humidity greater than 70% may result in adhesion problems. Protective clothing, gloves, and eyewear should be used during application. Application should be completed when air, surface and material temperatures are 40 °F or higher (for 24 hours) but not above 120 °F. Application can take place at colder temperatures (above 32 °F) however, special precautions must be taken to ensure there is NO MOISTURE, DEW or FROST present on the roof. These conditions will create adhesion issues. Apply with a 3/4" nap exterior paint roller (preferably with mill gauge) or long bristle brush. Apply a uniform coat over entire surface, avoiding excessive rolling. Coverage rate is 1.5 - 4 gallons per square (100 square feet) in a one coat application. Coverage varies depending on roof condition and desired warranty coverage. If multiple coats are used, additional coats shall be applied between 4 - 24 hours after first coat. If there will be foot traffic on roof after installation (and cured), embed 40 - 60 lbs. of #11 ceramic granules per 100 sq ft into top layer of coating to create a non-skid finish. Surfaces without granules are slippery when damp or wet. Coating dries in 2 - 4 hours and fully cures in 24 - 48 hours at 70 °F and 50% relative humidity at 1.5 gallons per square. Thicker films, poor air flow and low humidity will increase dry times. Seal container when not in use. Do not walk on coating until fully cured. The contents of this container are reactive with moisture in the air. Curing starts immediately upon opening and opened product cannot be returned. Use all contents within one day of opening.

STORAGE & HANDLING PRECAUTIONS:

Product safety information required for safe use is not included on this label. Before handling, read product Safety Data Sheets for safe use and for physical and health hazard information. During application, always protect building inlets from product vapors and fumes. Finished product is extremely slippery when wet. For roofs with greater than 1/2" in 12 slope, and on roofs without parapets, it is recommended to embed a non-skid additive in the top surface of the coating. Shelf life is 12 months from date of manufacture. Not recommended to store at temperatures exceeding 100 °F. For maximum shelf life store between 40 °F and 70 °F. Higher temperatures will reduce shelf life. 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 lid is tight and pail secured. Only transport product in the cargo area of vehicle. Secure with rope or bungee cords over a drop cloth. If pail tumbles, leakage may occur. Ponding water can create excessive weight on roofs. If ponding water exists, contact a structural engineer to ensure the additional weight can be supported by the roof deck and building structure. Ponding water can create a collapse hazard which can severely hurt or kill people. Always follow NRCA guidelines for Ponding Water situations. Dispose of in an environmentally acceptable manner.

CLEAN-UP:

Spray equipment with VM&P or Naphtha. Do not leave Super Silicone Seal for long periods in hoses, pumps or spray guns.



- RESILIENT PROTECTION
- HIGHLY REFLECTIVE SURFACE
- EXTENDS ROOF LIFE



COMPLIANCE:

CRRC, FP&L, Title 24, UL CLASS A RATED File #R27202. Miami-Dade County Product Control Approved.

Weight Per Gallon	11 lbs/gal
Solids by Weight*	98 ±2%
Solids by Volume	98 ±2%
Tensile Strength	275 psi
Tear Resistance	37
Reflectivity (CRRC)	.90
Emissivity (CRRC)	.90
SRI Value (CRRC)	115 initial
Permeability	4 perms
Water Absorption	.1% after 2 weeks at 75°F
Weathering	No degradation after 5000 hours
Tack Free Time	1 hour
Durometer Hardness	55 ±5 pts
Consistency	Roller
Maximum Surface Temperature	180°F
Elongation	350%
Flash Point	>290°F
Cure Time (with min. humidity 20% RH)	Skins 2-4 hrs Full Cure - 24-72 hrs
Shelf Life	Up to 18 months depending on storage

NOTE: *Percentage may vary +/- 5%

SHIPPING WEIGHTS:

5 gallons (18.9L)	VOC/VOS
58 lbs.	10 g/L
CRYSTALLINE SILICA	CAS # 1408-60-7

NOTE:

If surface temperatures become hot (over 140 °F) during application, wait for roof to cool. DO NOT apply to a wet or damp surface.

MIAMI-DADE COUNTY
APPROVED

Manufactured by Bergstrom Industries

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