



Product Name

ThermoSeal SRC (High Solids)
is a high solids silicone roof coating.

Product Description

ThermoSeal SRC is a single component, silicone elastomer designed for the protection of spray polyurethane foam roof systems. With its high solid content, ease of application and rapid cure times it makes for one of the most durable coatings in the industry available for SPF roofing.

ThermoSeal SRC has superior durability, reflectivity, weather proofing.

ThermoSeal SRC was developed for protection from degradation caused by normal weathering and aging caused by ultraviolet exposure.

With the addition of ceramic roofing granules embedded into the final coating surface, superior abrasion resistance is achieved.

Benefits

- *Seamless Waterproofing
- *Environmentally friendly
- *Energy Saving
- *Renewable
- *Reduced life cycle costs
- *Holds up to Puddling & Ponding Water
- *Reflective

Installation

ThermoSeal SRC may be applied through high-pressure airless spray equipment. Rolling or brushing may be used for touch-up, flashing and edge terminations or to fill voids, pinholes, holidays or small cracks.

ThermoSeal SRC should be power mixed for 5 minutes, thinning isn't recommended.
*Thinner Not Recommended

Apply ThermoSeal SRC only to clean, dry, sound surfaces, free of loose particles or other foreign matter that may interfere with the adhesion of the coating. A primer may be required subject to type and/or condition of the substrate. Final cured dry film thickness must be free of voids, pinholes, holidays, cracks or blisters.

Apply 2 or more coats at the rate of 1-1.25 gallons per 100 square feet per coat; using contrasting colors to provide for uniform coverage. Minimum dry film thickness shall be 20-30 mils dependent upon application. ThermoSeal SRC may be applied directly over itself and over most other silicone roof coatings.

When recoating older silicone coated roofs be sure the surface is clean, dry, and that all holes and underlying damage has been properly repaired. The existing coating may have to be power washed with an appropriate surfactant solution then power rinsed to remove foreign matter.

Installation Precautions

ThermoSeal SRC must be protected from freezing during shipment and storage.

Apply ThermoSeal SRC when ambient air and substrate temperatures are between 50-85 degrees Fahrenheit. Do not apply when there is a possibility of temperatures dropping below freezing within a 24-hour period. Higher temperatures will shorten the cure time and working time for proper application of granules. Lower temperatures will lengthen the tack free and ultimate cure time. For best results, relative humidity should be above 20%. Lower humidity will slow the cure rate significantly.

Colors

- Color: White, Light Grey, Tan and Dark Grey. Some testing and standards are based

On a white topcoat. Special colors are available at an additional charge.

*Theoretical coverage does not take into account application losses or thickness variations.

Bacterial and Fungal Evaluation

ThermoSeal SRC is not a source of food for mold, insects or rodents. It has no nutritional value.

ThermoSeal SRC reduces the introduction of moisture, food, and mold spores through the coating.

Environment/Health/Safety

CLEAN UP: Namptha 66

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much exposed skin area as possible with appropriate clothing.

Physical Properties

Material tested complies with all of the requirements of ASTM D 6694-08 and -07 Standard Specification Liquid-Applied Silicone Coating. Passed: ASTM C1305 Crack Bridging Ability.

Container Size

50-Gallon drums / 5-Gallon pails
Class 55

DOT Classification: Roof Coating not regulated. NFMC # 170080

Ponding Water

ThermoSeal SRC membrane IS NOT affected by ponding water, however: The National Roofing Assoc. considers ponding water undesirable and recommends that all roof systems be designed and built to ensure positive drainage. (See the NRCA Roofing and Waterproofing Manual).

Testing results are pending 3rd party independent testing and certification from Intertek. DISCLAIMER: Information contained herein is, true and accurate, but all recommendations or suggestions are made without guarantee. ThermoSeal, LLC, LLC (THERMOSEAL, LLC) products are intended for sale to industrial and commercial customers. Since ThermoSeal, LLC exercises no control over its customers appreciation or use of the product manufactured by ThermoSeal, LLC and since materials used with the products may vary, it is understood that ThermoSeal, LLC can warrant only that our products will meet our written specifications. Nothing herein shall constitute any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. Our products must be installed in accordance with all applicable building codes and a building inspector's approval should be requested prior to installation. All patent rights are reserved. ThermoSeal, LLC requests that customers inspect and test our products before use, and satisfy themselves as to contents and suitability. The exclusive remedy for all proven claims is replacement of our materials and in no event, shall ThermoSeal, LLC be liable for any consequential, incidental, indirect, or special damages

ThermoSeal SRC (High Solids) – Tech Data / Product Specification

| PHYSICAL PROPERTY | TYPICAL VALUE | ASTM TEST METHOD |
|--|---|--|
| Tensile Strength: | 307 psi at 73°F. ± 20 484 psi at 0 °F. ± 20 | (ASTM D-2370) |
| Elongation: (break) | 205% at 73°F. ± 20 306% at 0°F. ± 20 | (ASTM D-2370) |
| Tear Resistance: | (Die C), (lb f/in) 26 @ 73°F | (ASTM D-624) |
| Reflectivity: (White) | .70 Aged 3 yr | (ASTM C-1549) |
| Emissivity: (White) | .90 Aged 3 yr | (ASTM C-1371) |
| SRI Value: | 110 Initial | |
| Permeance: US Perms | 9.3 ± | (ASTM E-96) Procedure B |
| Tensile, set at 100% Elongation: | Nil. | |
| Temperature Stability Range: | -80 °F. to 350°F. (-37°C. to 177°C) | |
| Low Temperature Flexibility (Pass-Fail) | Pass – Tested 180° around ½” mandrel @ -15°F (-26.1°C) | ASTM D-522) Method B |
| Water Absorption: | 0.1 weight % after 2 weeks at 75 °F. (24 °C) | (ASTM D-471) |
| Weathering/U V Resistance: | No degradation after 5,000 hours | (ASTM D-6694) |
| Tack Free Time: | 1 Hour | Temp. & Humidity Dependent |
| VOC: | <50 Grams/Liter | EPA Method 24 |
| Durometer Hardness: | 50± 5 points | (ASTM D-2240) Shore A |
| Solids Content By Weight: | 96% ± 2 | (ASTM D-1644) |
| Solids Content By Volume: | 96% ± 2 | (ASTM D-2697) |
| Maximum Continuous Service Temperature: | 185°F (85°C) | |
| Flash Point: | >290°F | (ASTM D-92) |
| Cure Time: | Minimum 2 hrs Maximum 8 hrs | @100°F & 90% Humidity @ 40°F & 20% Humidity |
| Shelf Life: | (UNOPENED CONTAINERS): 1 Year *** When Stored Between 40°F. and 75°F *** | |

RATINGS/FLAMMABILITY CHARACTERISTICS: ThermoSeal High Solids

Series Silicone Coatings carry Class “A” Non-Combustible and Class “B” Combustible credentials as tested under UL 790 procedures over spray foam and single-ply roofing systems, refer to the UL directory for specific information.

General Properties: Breathable membrane possessing superior weathering and water resistance characteristics.

Recommended Uses: Provides elemental protection for architectural surfaces such as vertical walls, masonry, concrete, metal, single-ply membranes and sprayed-in-place urethane foam systems.

HMIS® RATING:

Health 2, Flammability 2, Reactivity 0, Protection X 0= Minimal 1=Slight 2=Moderate 3=Serious 4=Severe (*) Indicates potential for chronic health effects.

Miami-Dade County Product Control Approved

NOA No. 16-0517.15 Exp. Date 4/03/18

Florida Approval: FL# 13816-R2

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Product Limitations: Not recommended for continuous immersion service, for use in cryogenic tank, or cold storage roofing applications without a vapor barrier, or directly over a modified bitumen, asphalt or coal tar built-up roofing system without a sealer. Note: ThermoSeal recommends any subsequent coats of silicone be completed within 24 hours to ensure good adhesion of the silicone to the previous coat

RESPIRATORY PROTECTION is MANDATORY! Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application.

Material Limited Warranty: 5, 10, 15 Year product warranties are available when installed properly by a ThermoSeal authorized representative who has completed all training offered by ThermoSeal. ThermoSeal warrants that the product will meet all product specifications outlined in this specification document. 5, 10, 15 and 20 Year System Limited Warranty programs are also available at an additional cost. Consult with your ThermoSeal representative and Spray Foam Contractor for more details.

INGESTION: Do not ingest.

Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

WARNING: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the SDS.

In case of emergency contact CHEMTREC EMERGENCY NUMBER at 800-424- 9300.

Packaging: Products are shipped in 55 gallons open top steel drums or 5-gallon pails.

Product Storage: ThermoSeal SRC will freeze and become unusable at temperatures below 32°F. PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 50°F. Do not apply when ambient air and substrate temperatures fall below 50°F or when there is a possibility of temperature dropping below 32°F within a 24-hour period after application. Do Not Store in direct sunlight.

Product Availability: Contact ThermoSeal, LLC at 1.800.853.1577 for sales and availability options.



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