



#85 White Silicone Coating

DATA SHEET

FOR PROFESSIONAL USE ONLY / DO NOT THIN

COMPLIANCE: Exceeds performance requirements of ASTM C836 and ASTM 6694. Miami-Dade County Product Control Approved.

DESCRIPTION: Use TopShield PRO #85 White Silicone Coating to seal existing roofs, protecting against leaks, ponding water and extreme weather. This fluid-applied, high solids, moisture cure silicone coating provides solar reflectance to reduce roof surface temperatures. TopShield PRO #85 outperforms conventional solvent and solvent-free coatings.

PRIMER: A TopShield PRO approved bleed-blocking primer should be used on applications over asphalt substrates to help limit bleed through or discoloration. Asphalt, single ply membranes and metal should be field adhesion tested to determine if primer is needed.

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, prime surface as required. TopShield PRO requires that all seams, penetrations, drains, ponding, flashings, terminations, curbs and other work are treated and repaired using the appropriate TopShield PRO sealant and reinforcement and installed in accordance with TopShield PRO Details which are available at topshieldproducts.com.

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.

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: 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 Sheet for safe use and for physical and health hazard information. Safety Data Sheets are available on the TopShield PRO website at topshieldproducts.com. You can also obtain a copy from your local TopShield PRO Distributor or TopShield PRO sales representative. 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 Naptha. Do not leave silicone for long periods in hoses, pumps or spray guns.

SHELF LIFE: Up to 12 months depending on storage.

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Manufactured For:
SRS Distribution, Inc.

7440 S. Hwy 121
McKinney, TX 75070

See SDS for more information

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Solids Weight (ASTM D1644)	98 ± 2%
Solids Volume (ASTM D2697)	98 ± 2%
Density	11.0 lbs/gal
Tensile Strength (ASTM D2370)	300%
Elongation (ASTM D2370)	200%
Tear Resistance (ASTM D624)	37
Reflectivity	.90 (Initial) .76 (3 year)
Emissivity	.90 (Initial) .88 (3 year)
SRI Value	115 Initial (Initial) 94 (3 year)
Permeability (ASTM E96)	4 perms
Water Absorption (ASTM D471)	.1% after 2 weeks at 75 °F
Weathering	No degradation after 5000 hrs
Tack Free Time	1 hour
Durometer Hardness	55 ± 5 pts
Maximum Surface Temp	180 °F
Flash Point	>290 °F
Dry - Recoat	6 hours
Full Cure	72 Hours
Shelf Life	Up to 12 months depending on storage

*Specification data may vary +/- 5% from published values.

Approx. Shipping Weights: (Note: All approx. weights include container)

1 gallons (3.4L)	12 lbs.
5 gallons (18.9L)	58 lbs.

VOC: <10 g/L (regulatory)

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