

PRODUCT DESCRIPTION

TEKTOP 100% SILICONE ROOF COATING - HB is a high-solids, single component moisture-cure silicone roof coating which forms a seamless elastomeric membrane on low-slope roofs. **TekTop 100% Silicone Roof Coating - HB** can also continue beyond the roof membrane to coat a variety of substrates found in roofing applications with superior adhesion and ponding water resistance. The special High-Build formulation allows placement on steep, curved, barrel, and vertical surfaces while mitigating any sag that may occur during application and cure. Use on any roof, but especially those with a slope in excess of 2:12.

TekTop 100% Silicone Roof Coating - HB complies with ASTM 6694 for outstanding performance and waterproofing of spray polyurethane foam (SPF) roofing systems.

FEATURES & BENEFITS

- Ready-to-use
- Highly elastomeric
- Breathable membrane
- Solvent free/diluent free
- Superior weather and water resistance properties
- Excellent, long-term durability
- Solvent and chemical resistant; UV stable
- White roof coatings can lower the building's interior temperature saving energy use

RECOMMENDED USES

Ideal for use as a maintenance coating system to seal, repair, and extend the life of existing low-slope roofs:

- EPDM
- PVC
- TPO
- CSPE (Hypalon)
- APP & SBS Modified bitumen
- Smooth, Spudded, and Granulated BUR
- Metal Roofs
- Spray Polyurethane Foam
- Other Roof Coatings

Provides a seamless water seal, protection against leaks, ponding water resistance, and the damaging effects of severe weather on other substrates including:

- Masonry
- Concrete
- Metal
- Wood
- Vertical Walls and Parapets

Best solution for steep slopes, barrel roofs, and low-sloped roof in excess of 2:12.

PRODUCT INFORMATION

PRODUCT NAME	SIZE	COLOR/FINISH	ITEM NUMBER
TekTop 100% Silicone Roof Coating - HB	5 Gallon Pail	White	40012762
TekTop 100% Silicone Roof Coating - HB	5 Gallon Pail	Gray	40012779
TekTop 100% Silicone Roof Coating - HB	5 Gallon Pail	Tan	40012786

TECHNICAL DATA

PHYSICAL DATA

Components Single-Component

Color White, Gray, Tan

Finish Gloss

Curing Mechanism Moisture Cure

Solids by Volume 95%

Solids by Weight 96%

Tack-Free Time 1-2 hours

Cure Time 24 hours

Spread Rate/Gallon 66 SF

PHYSICAL PERFORMANCE PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
Initial Tensile Strength @ 73°F	ASTM D2370	266 psi
Initial Tensile Strength @ 0°F	ASTM D2370	247 psi
Initial Elongation @ 73°F	ASTM D412	279%
Initial Elongation @ 0°F	ASTM D412	248%
Aged Elongation @ 73°F	ASTM G512 Cycle	194%
Aged Elongation @ 0°F	ASTM D412	229%
5,000 hours accelerated weathering	ASTM G512 Cycle ASTM D6694	Pass
Permeance @ 73.4°F	ASTM E96	6.3 perms
Wet Adhesion to SPF	ASTM C794, ASTM D903	30 pli
Tear Strength	ASTM D624	30 Lbf/in
Low Temperature Mandrel Bend	ASTM D522	Pass
Specific Gravity @ 77°F		1.30 +/- .04
Flash Point		167°F (75°C)
VOC	EPA Method 24	< 50 g/L
Initial SRI Value	ASTM 1980	109

CODE APPROVALS/TESTING CERTIFICATIONS



SURFACE PREPARATION

Ensure work area is cleaned of loose material, dirt, leaves, and other debris. Apply only to dry surfaces. Remove all loose roofing materials, sealants, flashing compounds, etc. by scraping, wire brushing, brooming or compressed air. Adhesion tests and Primers are strongly recommended. Pre-qualify the roof by performing an infrared scan and making any appropriate repairs prior to commencement of work.

SAFETY AND TECHNICAL

Wear eye protection, gloves, long sleeves, and long pants. Can cause skin and eye irritation. Read SDS for additional health, safety and environmental information. No smoking shall be allowed in the project area due to the oxime reaction during the curing process.

TEMPERATURE RANGE

40°F (4°C) to 120°F (50°C)

APPLICATION EQUIPMENT

Roll, Brush, or Spray

APPLICATION PROCEDURE

Apply appropriate **TekTop Primer** and repair/prep all other areas with **Tek Top Silicone Liquid Flashing** prior to the roof coating process. **TekTop 100% Silicone Roof Coating - HB** is ready for use upon opening, however mix with a spiral mixer (do not use stir sticks or paddle mixers) to achieve a uniform color before application. **TekTop 100% Silicone Roof Coating - HB** is intended to be applied in a single pass; mark out a 10' x 10' area on the roof to gauge application rate and check frequently during the application process to maintain the desired thickness. For one-coat application, a minimum of 1.5 gal/100 SF (24 wet mils) must be applied. Unused product can be re-sealed, but a skin will form. Remove and dispose of the skin prior to any re-use.

CLEAN UP & DISPOSAL

Clean-up mixing and application equipment immediately after use. Do not leave any product in spray guns, hoses, or pumps. Use Mineral Spirits or VM & P Naphtha; do not use alcohol. Follow solvent manufacturer's safety instructions. Be sure to follow all local, state and federal regulations when disposing of materials. To dispose of unused material - open lids and let dry to a solid before disposal

MAINTENANCE

Roof areas that receive **TekTop 100% Silicone Roof Coating - HB** should be inspected in the Fall, the Spring, and after any major weather event. Remove all leaves, trash, and loose debris. Note any areas needing repairs and perform as soon as safely possible. **TekTop 100% Silicone Roof Coating - HB** can be cleaned by using a garden hose and push broom. Do not use a power washer for routine cleaning.

LIMITATIONS

- ⚠ Minimum application temperature is 40°F (4°C)
- ⚠ Exterior use only
- ⚠ DO NOT APPLY ON SHINGLES
- ⚠ DO NOT THIN

SHELF LIFE AND STORAGE

18 months from date of manufacture when stored indoors in the original unopened container at 60°F - 85°F (16°C - 29°C) in a dry location with humidity below 65%.

- ⚠ Do not allow materials to freeze.

TECHNICAL ASSISTANCE

- ❓ Information is available by calling SIMIRON
Toll Free: 1.866.515.8775 / +1.248.686.3600

LIMITED WARRANTY

SIMIRON warrants this product to be free from defect in the material that affects its performance for a period of one year (from date of purchase). SIMIRON will replace at no charge the quantity of the Coating that SIMIRON determines has failed to perform, as the sole and exclusive remedy for any breach of this warranty and/or any other defect or failure of the coating. Proof of purchase is required. Cost of labor for application of any product specifically is excluded. Warranty is void if Simiron products are mixed with or used in conjunction with materials that are substituted for Simiron products. Warranty is nontransferable.



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PRODUCT DATA SHEET: 10/15/2025

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