

SUPER SILICONE SEAL

TECHNICAL DATA SHEET | White & Black | Preparation & Application

Product description & uses

A high-solids silicone roof coating available in white and black for flat and low-slope roofs, including areas where ponding water may occur. The source describes a 100% silicone coating with a low-odor formula. White provides a highly reflective finish; white reflectivity ratings do not apply to black.

Suitable substrates listed in the source include metal, aged modified bitumen, built-up roofing, concrete, tile, aged TPO and EPDM, and existing acrylic, asphalt-emulsion and aluminum coatings. Low-slope applications include roofs with a pitch of 1:12 or less.

Surface preparation

Surfaces must be clean, thoroughly dry, properly drained and free of surface rust, dust and debris. Remove mildew and stains with a suitable roof cleaner, then rinse thoroughly. Pressure washing is recommended using a wide fan tip; do not damage the roof surface. Allow all rinse water and dew to dry before coating.

Wire-brush rusty metal and apply a compatible rust-inhibiting primer. Over asphalt roofing, a compatible stain-blocking primer may be used to reduce bleed-through. Follow the selected primer's application and cure instructions.

Leaks, seams & cracks

Repair leaks and cracks before general roof coating. Use a compatible silicone roof-patch system with polyester reinforcing fabric or compatible fleece-top repair tape. Allow repairs to cure according to the repair product's directions before coating.

Application

Mix well before use; a power drill with a mixing attachment is suitable. Apply on a clear, dry day with warming temperatures between **35°F and 120°F**. Verify that all moisture and dew have dried from the surface.

Apply using a quality, heavy-duty 3/4-inch nap roller or professional airless sprayer. The source also lists brush application. One coat may be applied to surfaces in good condition; recoat rough or damaged areas as needed during application.

Coverage & rain resistance

General roof coverage: approximately 71 square feet per gallon. This is roof-surface coverage, not a linear-foot coverage rating for repairs with fleece.

Rain-safe: 15 minutes at 70°F and 50% relative humidity. This is not a full-cure or recoat time. The supplied technical sheet does not specify a full-cure time or a fixed interval between coats.

Cleanup

Clean tools with xylene. Follow the solvent label and SDS precautions.

SUPER SILICONE SEAL

TECHNICAL DATA SHEET | White & Black | Properties, Storage & Safety

Typical physical & performance properties

Property	Source value
Solids by weight / volume	97 ± 3% / 97 ± 3%
Viscosity	7,000 cps
Weight per gallon	11.05 ± 0.5 lb.
Tensile strength	250 psi
Tear resistance	37 lb. per linear foot
Elongation	315%
Permeability / water absorption	3 perms / 0.1%
VOC	Less than 10 g/L (regulatory)
Airless spray settings	2,000-3,000 PSI; 0.030-0.041 in. tip; 1-3 GPM
White-only optical properties	Reflectivity: 90 ± 1%; emissivity: 0.90; SRI: 115; hiding power: 98.38%; gloss: 78.60%. Black values not supplied.

Storage & shelf life

Do not heat or thin. Keep containers tightly sealed, out of sunlight, protected from weather and in a ventilated area. For maximum shelf life, store at 50-80°F. Unopened shelf life is up to 18 months from manufacture. Temperatures outside that range or humidity above 65% reduce shelf life. Storage beyond six months may require additional mixing.

Use opened containers within 3-5 days. Remove any skin before mixing. During transport, keep containers upright, secure and tightly closed in a cargo area, on 6-mil plastic sheeting. Do not transport on passenger seats or in the passenger compartment.

Safe handling

Read the SDS and container label before use. Avoid breathing mist, vapor or spray. Use outdoors or with adequate ventilation; follow SDS requirements for respiratory protection. Wear protective gloves, clothing, eye and face protection. Wash thoroughly after handling and wash contaminated clothing before reuse. Keep out of reach of children. Store locked up and dispose of contents and containers according to applicable requirements. Consult the SDS for first aid and emergency guidance.

Technical basis & color scope

Adapted from the supplied white silicone roof coating technical sheet, revision C25. Bergstrom Industries confirms the white and black products are the same coating type. Shared non-optical values are carried forward on that basis; separate black test data was not supplied. Optical values above apply only to white. This sheet does not extend the source manufacturer's warranty or certification claims to Bergstrom-branded products.

Bergstrom Industries | 850 Greenlick Hollow Rd, Mt Pleasant, PA 15666