



100% PURE SILICONE
PERMASIL PLUS™
HIGH SOLIDS SILICONE ELASTOMERIC
FLAT ROOF or SLOPED ROOF
WATERPROOFING COOL ROOF TOP COATING

PRODUCT DATA
12/10 YEAR LIMITED MATERIAL WARRANTY
#7600
06/01/24
superseding: 04/01/24

PRODUCT DESCRIPTION:

PERMASIL PLUS™ is a Single Component, Gloss Finish, Bright White, 100% Pure Silicone Elastomer, Waterproofing Roof Top Restoration Coating. It is a High Solids Silicone, high build formula that possesses excellent weatherproofing and waterproofing properties with outstanding UV resistance that beautifies, protects and extends the life of most any sloped and flat roofing surfaces. Silicone Technology provides waterproofing protection and ponding water resistance. Exceptional water resistance and lowered water sensitivity by using High Solids Silicone. Forms a monolithic, thick rubber like silicone shield of protection that expands and contracts with varying hot and cold temperatures, plus excellent resistance to thermal shock and has superior low temperature flexibility. Unsurpassed in technology, PERMASIL PLUS™ is an energy saving reflective silicone coating that offers superior mildew resistance, excellent adhesion, U.V. ray resistance and a beautiful gloss finish. An energy saving coating that combats the destructive environmental forces of nature. This easy to apply silicone coating system will provide many years of durable protection and outstanding beauty, and will extend the roof's life. PERMASIL PLUS™ is an inexpensive alternative solution to roofing and re-roofing. PERMASIL PLUS™ offers a 12 or 10 YEAR LIMITED MATERIAL WARRANTY.

PERMASIL PLUS™ USES:

Recommended for FLAT or SLOPED roofing surfaces. Excellent adhesion on weathered wood, shakes, plywood, clapboard, primed metal, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, styrofoam, polyurethane foam, fiberglass, built-up-roofs, bonded roof gravel, rolled roofing, modified bitumen membranes, mineral surfaced roofing, concrete tiles, clay tiles, masonry tiles (flat or barrel), primed synthetic or aluminum, adobe, slate, slab, properly prepared EPDM, and various other substrates. PERMASIL PLUS™ is ideal for residential, commercial and industrial applications.

SURFACE PREPARATION:

Apply only to a sound, completely dry, well prepared roof surface. Leaks should be repaired before any coating is applied. If a primer was applied, it is essential that the primer surface is clean and dry and free of all moisture. If no primer was applied, prepare surface by thoroughly pressure washing with a water and chlorine mixture using at least 1500 P.S.I. to remove any previous coatings, dirt, grease, and other foreign materials, especially mold, mildew and algae. PERMASIL PLUS™ will resist mildew growth, but will not kill mildew already on the surface. Patch any holes, cracks, flashings, valleys, vents, etc., with PERMAPATCH™, a Waterproofing Caulk and Sealant. Tape & seal all seams with PERMATAPE™, a Polyester Fabric Tape.

Metal: Clean surface of all grease, oil and foreign matter before priming. Rusted metal and uncoated metal must be primed with METAL-PRIME RED-OX™, a Red Iron Oxide Primer Sealer. Use a degreaser on galvanized or coated metals which have oils or surface treatments. Check PERMASIL PLUS™ adhesion on galvanized or coated metal by applying to a small area and evaluating after 48 hours. If lack of adhesion is present after evaluating, metal must be lightly scuffed without penetrating the coated finish or galvanizing. If applicable, use METAL-PRIME RED-OX™ to spot prime any areas which may have been penetrated down to bare metal.

APPLICATION PROCEDURE:

Mix well before using. At low speeds mix with a variable speed drill with a jiffy mixer to suspend any settled pigments until a uniform color and consistency are achieved. Mixing time will vary based on temperature and atmospheric conditions. Do not thin, use product as is. Do not apply when temperatures are below 45 degrees Fahrenheit or when humidity is very high. Do not apply when substrate temperature is above 120 degrees Fahrenheit. Do not apply over wet insulation or related materials. Do not apply when coating will be subjected to rain or heavy dew before it has had enough time to dry (approx. 2 to 4 hours). Drying time will vary depending on temperature, humidity and location.

Apply using brush, roller or approved airless spray equipment. Spread coating uniformly. Spread Rate will vary depending on surface.

Graph roof into sections to ensure minimum amount of silicone is applied.

Pour and roll when possible. Apply each coat at 1 gallon per 100 square feet at 16 mils wet film thickness which will dry at 15.5 mils dry film thickness. Wait at least 12 hours before applying a second coat and apply second coat within 48 hours. Two coats resulting in a minimum 30 mil total dry film thickness is recommended and is required for 10 Year Limited Material Warranty.

Airless Sprayers: Use at least a 4,500 psi with a 3 gallon per minute output fed by a 5:1 transfer pump. Spray gun with a minimum tip size of .019.

Clean Up: Clean up all spills, tools and overspray immediately while the coating is still wet with virgin mineral spirits.

PROTECTIVE EQUIPMENT:

Since the coatings are atomized into a very fine particle distribution during spray application, it is essential that maximum effort is made to protect the spray applicator and others near the workplace from undue exposure.

PROTECTION of the WORKPLACE:

Overspray from PERMASIL PLUS™ can carry considerable distances and attention should be given to the following: Post warning signs a minimum of 100 feet from the work area. – Cover all intake vents. – Minimize or exclude all personnel not directly involved with the spray application. – No welding, smoking or open flames. – Have CO₂ or other dry chemical fire extinguisher available at the job-site. – Provide adequate ventilation.

HEALTH and SAFETY:

Safety Data Sheets (SDS) are available on this product. Any individual who may come in contact with these products should read and understand the SDS. PERMASIL PLUS™ is intended for application only by professional applicators. Avoid breathing of vapor or spray mist. Should not be applied when the wind is of sufficient velocity to cause overspray of adjacent areas, buildings or people.

12 YEAR LIMITED MATERIAL WARRANTY:

PERMASIL PLUS™ will be eligible for a 12 Year Limited Material Warranty when One Coat of PERMASIL PLUS™ PRIMER is applied prior to the application of Two Coats of PERMASIL PLUS™. PERMASIL PLUS™ will be eligible for a 10 Year Limited Material Warranty when Two Coats of PERMASIL PLUS™ is applied at a spread rate of 100 square feet per gallon per coat. A Minimum 30 Mil Dry Film Thickness of PERMASIL PLUS™ is required for Warranty Eligibility for either Warranty. A Roof Coating Warranty Registration Form must be completed by both Contractor and Real Property Owner and submitted to Nationwide Protective Coating Mfrs., Inc. within 90 days of completed application. Inquire for Warranty Terms and Provisions. This is a Material Warranty Only and ANY Past, Present and/or Future Leaks are not guaranteed or warranted.

Ambient Temperature of 77°F and RH of 50%

TECHNICAL SPECIFICATIONS:

Rates & Times May Vary Beyond Specifications

FINISH:	Gloss	SPREAD RATE:	100 sq.ft. per gallon
COLOR:	White & Colors	DRY to TOUCH:	2 to 4 Hours
VEHICLE TYPE:	100% Silicone	RECOAT:	12 Hours
SOLIDS by WEIGHT:	94% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	94% +/- 2%	SIZES:	5 Gallon & 55 Gallon
V.O.C.'s (averages):	.40 lbs./gal. • 47.9 g/liter	GALLON WEIGHT:	11.1 lbs. +/- .5 lbs.

Information presented on this Data Sheet has been compiled from sources to be reliable, and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so.

In Any Event Nationwide Protective Coating Manufacturers, Inc. will not be liable or responsible for any past, present or future leaks or any resulting consequential or incidental damages.