



ELASTOMERIC ACRYLIC SILICONE CERAMIC
PERMASIL PLUS™
WATERPROOFING & INSULATING
LIMITED PONDING WATER FLAT ROOF FORMULA
MATTE FINISH PROTECTIVE ROOF COATING

PRODUCT DATA
7 & 15 YEAR LIMITED MATERIAL WARRANTY
*Flat Roofs 7 Year
#7536
08/01/18
superseding: 01/01/18

PRODUCT DESCRIPTION:

PERMASIL PLUS™ is a Matte Finish, Bright White, Elastomeric Acrylic Silicone, Insulative and Reflective Ceramic, Waterproofing Limited Ponding Water Formula, Protective Roof Coating. It is a water-based, high build formula that possesses waterproofing, insulating and soundproofing properties that beautifies, protects and extends the life of most any sloped and flat roofing surfaces. Silicone Technology adds extra waterproofing protection sheeting off water from the dried coating surface. Exceptional water resistance and lowered water sensitivity by using Silicone Resin along with Acrylic Resin. Designed for well drained flat and level roof surfaces that do not accumulate any settling or standing water in excess of ½" deep. (For surface specifications, see warranty compliance information section below.) Forms a monolithic, thick rubber like silicone ceramic shield of protection that expands and contracts with varying hot and cold temperatures, plus excellent resistance to thermal shock. Unsurpassed in technology, PERMASIL PLUS™ is an energy saving reflective coating that offers superior mildew resistance, ceramic insulation & soundproofing, excellent adhesion, U.V. ray reflectivity and a beautiful matte finish. An energy saving coating that combats the destructive environmental forces of nature. PERMASIL PLUS™ qualifies for a CLASS A Fire Rating Test as per ASTM E84-01, NFPA 101 Life Safety Code. This easy to apply roof 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 15 YEAR LIMITED MATERIAL WARRANTY on sloped roofs and a 7 YEAR LIMITED MATERIAL WARRANTY on qualifying flat roofs (see Warranty Compliance Information Section Below).

PERMASIL PLUS™ USES:

Recommended for well draining, FLAT or SLOPED roofing surfaces (see Warranty Compliance Information Section Below). Excellent adhesion on weathered wood, shakes, plywood, clapboard, primed metal, galvanized, aluminum, tin, copper, asbestos, asphalt, urethane, polyester, primed styrofoam, 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 must be repaired before any coating is applied. If 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 the penetrated areas, then use PERMABOND™ Primer for entire coated or galvanized surface.

APPLICATION PROCEDURE:

Stir well before using. Do not thin, use product as is. Mix multiple containers of color together for greater color consistency. Do not apply when temperatures are below 45 degrees Fahrenheit or when humidity is very high. 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 spray. Spread coating uniformly. Spread Rate will vary depending on surface. Apply each coat between 12 to 16 mils wet film thickness. Wait at least 12 hours before applying a second coat. Two coats resulting in a minimum 16 mil total dry film thickness is recommended. If primer was used a minimum 20 mil total dry film thickness is required and is mandatory for warranty compliance.

Airless Sprayers: Use at least a 1 gallon per minute piston type airless sprayer with a minimum tip size of .027. Remove line filters and gun filters before spraying.

Clean Up: Clean up all spills, tools and overspray immediately while the coating is still wet with warm soapy water.

WARRANTY COMPLIANCE INFORMATION:

The PERMASIL PLUS™ 7 and 15 YEAR LIMITED MATERIAL WARRANTY is for Product Only and applies to chipping, cracking and peeling, only. Labor is not covered by this warranty. This product is not guaranteed to stop or prevent leaks; all leaks must be repaired prior to the application of any coating. The WARRANTY is available only when product is applied according to Manufacturer's Application Procedures and Strict Material Requirement Specifications and a Warranty Registration (and a Job Completion Form if coated area exceeds 10,000 square feet) is submitted to Manufacturer within 90 days of completed coating application date (Application Procedure Sheets available upon request).

WARRANTY TERM DETERMINATION: 7 YEAR WARRANTY FLAT ROOFS; Slope of roof less than 1" per 24" or an angle less than 4 degrees.

15 YEAR WARRANTY SLOPED ROOFS; Slope of roof must be greater than 1" per 24" or an angle greater than 4 degrees.

FLAT ROOF SURFACE QUALIFICATION: The PERMASIL PLUS™ FLAT ROOF SEVEN YEAR WARRANTY is for Well Draining, Flat Roofing Surfaces that: do not accumulate any ponding, standing or settling water in excess of ½", no ponding water regardless of depth can remain longer than 72 hours, no negative slope or negative pitch may be present on roof surface, drip edge must not be higher than ½" above roof surface, and roofs with parapet walls must have adequate drainage and/or scuppers to remove water. Warranty will be unobtainable or void if these criteria are not met.

MIL THICKNESS: A required primer sealer coat of PERMABOND™ or METAL-PRIME™ must be applied prior to the application of PERMASIL PLUS™. The primer coat and two coats of PERMASIL PLUS™ must result in a minimum 20 mil total dry film thickness.

MINIMUM SPREAD RATES: PERMABOND™ or METAL-PRIME™ must be applied at no more than 150 square feet per gallon. PERMASIL PLUS™ must be applied at no more than 150 square feet per gallon per coat, resulting in an aggregate spread rate of 75 square feet per gallon for both coats.

Roof Coatings

Ambient Temperature of 77°F and RH of 50%

TECHNICAL SPECIFICATIONS:

Rates & Times May Vary Beyond Specifications

FINISH:	Matte	SPREAD RATE:	100 - 150 sq.ft. per gallon
COLOR:	White & Tint Base	DRY to TOUCH:	2 to 4 Hours
VEHICLE TYPE:	Copolymer Emulsion	RECOAT:	12 Hours
SOLIDS by WEIGHT:	65% +/- 2%	CURE TIME:	5 to 7 Days
SOLIDS by VOLUME:	51% +/- 2%	SIZES:	1 Gal., 5 Gal., 55 Gal.
V.O.C.'s (averages):	.36 lbs./gal. • 45.0 g/liter	GALLON WEIGHT:	11.7 lbs. +/- .3 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.

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