



TECHNICAL DATA SHEET



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DESCRIPTION

Loctite® Polyseamseal® 100% Silicone Sealant is a 100% silicone formulation that creates a tough, watertight, mildew resistant seal. It makes fast work of sealing your kitchen and bath and has a fast-dry system that withstands water contact 2 hours after application. Polyseamseal® 100% Silicone withstands temperature extremes of -65°F to 300°F making it ideal for Heating and Cooling (HVAC) applications and is highly resistant to ultraviolet light and other environmental elements. It forms a weatherproof bond to materials like glass, ceramics, aluminum, primed steel, and some plastics.

RECOMMENDED FOR

Sealing around bathtubs, sinks, shower stalls, tiles and plumbing fixtures. Excellent adhesion to ceramic, porcelain, glass, fiberglass composites, enamel, aluminum, stainless steel, wood and wallboard.

NOT RECOMMENDED FOR

- Applying at temperatures below 40°F (5°C) and above 90°F (32°C)
- Architectural joints, joints subject to heavy abrasion or wear or tuck pointing
- Use below the water line, for setting mirror tiles, in aquariums, on stove pipes, furnaces, brick, masonry, copper, brass, galvanized metals or zinc
- Joints deeper than 1/2" without use of a backer rod
- Test on painted surfaces before use.

FEATURES & BENEFITS

Feature	Benefits
Fast dry silicone system.....	Can shower in 2 hours
Contains Mildewcide.....	Inhibits mold & mildew growth on caulk surface
Water Resistant.....	Ideal for humid or steamy areas
No cracking, peeling or shrinking.....	One-time application

COVERAGE

A 10 oz. (300 mL) cartridge will extrude approx. 31 ft. (9.5 m) of a 1/4" (6 mm) bead.

DIRECTIONS

Tools Typically Required:

Utility knife, caulking gun and tooling device.

Safety Precautions:

Well ventilated area. Wear gloves.

Color	Item #	Package	Size
Clear	1508974	Plastic Cartridge	10 oz.
White	1508975	Plastic Cartridge	10 oz.

Preparation:

Apply sealant between 40°F (5°C) and 120°F (49°C). Surfaces must be clean, dry and free of old caulk, grease, dust and other contaminants. Paint area before applying sealant, as silicone is not paintable. Mask both sides of the joint. Cut the tip off the cartridge at a 45° angle to desired bead size (minimum of 1/8").

Application:

Using a caulking gun, apply sealant with steady pressure forcing the sealant into the joint. Tool bead immediately. Do not use in joints deeper than 1/2" (12 mm) without the use of a backer rod. Remove masking tape immediately after tooling and wipe excess off of hands and tools before washing. Avoid contaminating any surfaces that will be painted with silicone.

Clean-up

Clean tools and sealant residue immediately with mineral spirits. Cured sealant may be carefully cut away using a sharp-edged tool.

STORAGE AND DISPOSAL

Not damaged by freezing. Store in temperatures above 40°F (5°C) and below 100°F (38°C). Allow any unwanted product to harden and dispose with trash or use an approved household hazardous waste facility.

LABEL PRECAUTIONS

CAUTION! UNCURED SEALANT IRRITATES EYES, SKIN AND RESPIRATORY TRACT.

CAUTION! Contains acetoxysilanes and petroleum distillates. Acetic acid is released during curing and has a vinegar-like odor. Prolonged or repeated contact with uncured sealant causes eye, skin and respiratory irritation. Use with adequate ventilation. Do not get in eyes or on skin or clothing. Remove contact lenses before using sealant. Gloves recommended for prolonged or repeated skin contact. Wash hands after using. **FIRST AID:** In case of skin contact wipe off and wash with soap and water. In case of eye contact flush with water for 15 minutes, call a physician immediately. In case of respiratory difficulty, remove to fresh air. If swallowed, do not induce vomiting; call physician or Poison Control Center. **DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.**

Refer to the Material Safety Data Sheet (MSDS) for further information

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Translucent Clear or White	<u>Application Temperature:</u>	Apply between 40°F (5°C) and 120°F (49°C)
<u>Appearance:</u>	Lump-free paste	<u>Odor:</u>	Acetic Acid
<u>Base:</u>	Acetoxy Silicone	<u>Tack-Free Time:</u>	8 to 10 minutes
<u>Specific Gravity:</u>	1.01	<u>Cure Time:</u>	2 hours* (For a 2.5 mm depth of sealant)
<u>Flash Point:</u>	> 200°F (93°C)		*Cure time is dependent on temperature, humidity and amount of product used
<u>VOC Content:</u>	3.9% by weight (39.4 g/L)	<u>Extrusion Rate:</u> (At 90psi)	130 g/min
<u>Shelf Life:</u>	24 months from date of manufacture (unopened)	<u>Boeing Sag:</u> (After 2 minutes)	≤ 12.7 mm
<u>Lot Code Explanation:</u>	YYDDD YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year For example: 13061 = 61 st day of 2013 = March 2, 2013		

Typical Cured Performance Properties

<u>Color:</u>	Translucent Clear or White
<u>Cured Form:</u>	Non-flammable solid
<u>Service Temperature:</u>	-30°F (-34°C) to 250°F (121°C)
<u>Water Resistant:</u>	Yes
<u>Paintable:</u>	No
<u>Shore A Hardness:</u> (7 day)	≥ 14
<u>Tensile Strength at Break:</u> (7 day, STM 708)	≥ 0.8 N/mm ² (116 psi)
<u>Elongation at Break:</u> (7 day, STM 708)	≥ 275%