



# TECHNICAL DATA SHEET

**LOCTITE**  
**POLYSEAMSEAL®**  
**Tub & Tile Adhesive Caulk**

**Henkel Corporation**  
 Professional and Consumer Adhesives  
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## DESCRIPTION

Loctite Polyseamseal® Tub & Tile Adhesive Caulk is formulated for sealing projects in kitchens & bathrooms. The sealant provides increased durability for a long lasting, mold and mildew resistant seal. The Polyseamseal Tub & Tile Adhesive Caulk resists color change and abrasion to harsh chemical cleaners. This easy to use caulk remains flexible and watertight to provide durability and longevity. It is paintable and can easily be cleaned with soap and water. The "Clear" color\*\* product will extrude white and dry clear.

## RECOMMENDED FOR:

Sealing around bathtubs, sinks, shower stalls, tiles, backsplashes and countertops. It has excellent adhesion to ceramic, porcelain, glass, fiberglass composites, enamel, aluminum, stainless steel, wood, wallboard, and some plastics.

## LIMITATIONS:

- Do not apply at temperatures below 40°F (5°C) and above 100°F (38°C)
- Do not apply outdoors if rain or freezing temperatures are expected within 24 hours of application (exterior use limited to vertical surfaces only)
- Will not adhere well to surfaces previously sealed with a silicone caulk/sealant
- Not recommended for continuous water immersion or where standing water may occur
- Not for use below water line, or in aquariums, under shower door tracks or between two non-porous surfaces
- Not for use in architectural joints, joints subject to heavy abrasion or wear, or for tuck pointing
- Not recommended in joints exceeding ¼" x ¼"
- Not recommended on joints having total movement greater than 7%
- Not for use on butt or field joints
- Do not use for installing under-mount sinks\*
- Do not use on mirrors or on metals that will corrode

## FEATURES & BENEFITS:

Feature	Benefits
Contains a biocide .....	Helps inhibit mold & mildew growth on caulk surface
Permanently flexible and durable.....	Long lasting, professional finish
Paintable.....	Sealant is paintable with a latex based paint.
Easy clean up.....	Uncured adhesive cleans up easily with soap and water
Water-resistant.....	Ideal for humid or steamy areas when cured
Water-based formula.....	Low odor, non-flammable

## COVERAGE

A 5.5 fl. oz. (295 mL) cartridge will extrude approx. 16.9 ft. (5.1 m) of a ¼" (6 mm) bead.

A 10 fl. oz. (295 mL) cartridge will extrude approx. 30.6 ft. (9.3 m) of a ¼" (6 mm) bead.



Color	Item #	Packaging	Size
White	2138420	Squeeze Tube	5.5 oz
	2154739	Plastic Cartridge	10 oz
Clear	2138419	Squeeze Tube	5.5 oz
	2137997	Plastic Cartridge	10 oz
Almond	2138418	Squeeze Tube	5.5 oz
	2154752	Plastic Cartridge	10 oz

## DIRECTIONS

### Tools Typically Required:

Utility knife, caulking gun and tooling device.

### Safety Precautions:

Use in a well-ventilated area. Wear gloves.

### Preparation:

Apply sealant above 40°F (5°C) and below 100°F (38°C). Surfaces must be clean, dry and free of old caulk, dust, dirt and other contaminants. Remove mold or mildew using bleach and detergent that does not contain ammonia. Rinse surface and allow to thoroughly dry. For neat bead lines, mask both sides of the joint. Cut the tip off the cartridge or squeeze tube at a 45° angle to desired bead size (minimum of 1/4" or 6mm).

### Application:

Using a caulking gun apply sealant with steady pressure, forcing the sealant into the joint. Smooth bead immediately with a wet finger or a tool. Remove masking tape immediately after tooling and wipe excess off of hands and tools. Sealant is paintable with a latex paint after 2 hours. Wait at least 24 to 48 hours before exposing to water. \*\*Note: Clear sealant will extrude white and then turn to clear as it dries, sealant may turn white if exposed to water again.

### Clean-up:

Clean tools and sealant residue immediately with warm water and soap. Cured sealant may be carefully cut away with a sharp-edged tool.

## STORAGE & DISPOSAL

DAMAGED BY FREEZING. To maximize shelf life, store in a cool, dry place at temperatures above 40°F (5°C) and below 100°F (38°C). Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

## LABEL PRECAUTIONS

**CAUTION!** Contains ethylene glycol, butyl acetate and crystalline silica. May cause skin, eye and respiratory irritation. Avoid contact with eyes and skin. Use with adequate ventilation. Do not swallow. **FIRST AID:** If swallowed do not induce vomiting; call a physician or Poison Control center. For eye contact flush with water for 15 minutes. For skin contact wash thoroughly with soap and water. If overcome by vapors, get fresh air. **KEEP OUT OF THE REACH OF CHILDREN.**



**WARNING: Cancer and Reproductive Harm – [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**

Refer to Safety Data Sheet (SDS) 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. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. 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>	White, Clear, and Almond (Note: Clear product extrudes white and turns to clear as it dries)	<u>Application Temperature:</u>	Apply between 40°F (5°C) and 100°F (38°C)
<u>Appearance:</u>	Lump-free paste	<u>Odor:</u>	Mild
<u>Base:</u>		<u>Skin/Tooling Time:</u>	5 minutes*
White & Almond:	Polyvinyl Acetate (PVA)	<u>Tack-Free Time:</u>	10 to 20 minutes*
Clear:	Acrylic Latex	<u>Cure Time:</u>	1 to 14 days*
<u>Specific Gravity:</u>			*Time is dependent on temperature, humidity and amount of product used
White & Almond:	1.26	<u>Extrusion:</u>	28 lbs (12.7 kg)
Clear:	1.06	<u>Channel Slump:</u>	0 to 0.32 inches (0 to 8mm)
		(ASTM C 639)	

Typical Uncured Physical Properties		Typical Application Properties	
<u>VOC Content:</u> White & Almond: Clear	< 1.5% by weight (CARB) < 143 g/l (SCAQMD Rule 1168)	<u>Extrusion:</u> <u>Channel Slump:</u> (ASTM C 639)	28 lbs (12.7 kg) 0 to 0.32 inches (0 to 8mm)
<u>Shelf Life:</u>	18 months from date of manufacture (Unopened)		

Lot Code Explanation:

Cartridge: Stamped along bottom edge of cartridge  
Squeeze Tube: Imprinted along crimped edge of tube

YYDDD  
YY = Last two digits of year of manufacture  
DDD = Day of manufacture based on 365 days in a year  
For example: 17061 = 61<sup>st</sup> day of 2017 = March 2, 2017

**Typical Cured Performance Properties**

<u>Color:</u>	White, Almond, and Clear
<u>Cured Form:</u>	Non-flammable solid
<u>Service Temperature:</u>	20°F (-7°C) to 170°F (77°C)
<u>Water Resistant:</u>	Wait until sealant is fully cured before exposing to water (24 to 48 hours)
<u>Paintable:</u>	Yes, after 2 hours with a latex paint
<u>Tensile Strength:</u> (ASTM D412)	306 psi (2.11 N/mm <sup>2</sup> )
<u>Extension Recovery:</u> (ASTM C736)	100%
<u>Elongation:</u> (ASTM D412)	580%
<u>Peel Adhesion:</u> (ASTM C 794)	
Aluminum Dry	12 pli (2.1 N/mm <sup>2</sup> )
Glass Dry	10 pli (1.8 N/mm <sup>2</sup> )
Wood Dry	45 pli (7.9 N/mm <sup>2</sup> )
Vinyl Dry	13 pli (2.3 N/mm <sup>2</sup> )
Aluminum Wet	10 pli (1.8 N/mm <sup>2</sup> )
Vinyl Wet	19 pli (3.3 N/mm <sup>2</sup> )

For all commercial applications or applications not specifically outlined in this Technical Data Sheet please contact Technical Services Help Line:

Technical Questions call 1-800-624-7767 – Mon-Fri - 9:00am to 4:00pm ET  
[www.loctiteproducts.com](http://www.loctiteproducts.com)



Loctite Brand is part of the Henkel family of brands. Founded in 1876, Henkel is a global leader in the consumer and industrial businesses. Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies.

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