

POLYSEAMSEAL[®] Tub & Tile Adhesive Caulk



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 [2]. 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.

Available as:

Item #	Package	Size	Color
2138420 2154739	Squeeze tube Plastic cartridge	5.5 oz (163 mL) 10 oz (295 mL)	White
2138419 2137997	Squeeze tube Plastic cartridge	5.5 oz (163 mL) 10 oz (295 mL)	Clear
2138418 2154752	Squeeze tube Plastic cartridge	5.5 oz (163 mL) 10 oz (295 mL)	Almond

FEATURES & BENEFITS

- Contains a biocide to help inhibit mold & mildew growth on caulk surface [2]
- Permanently flexible and durable for long lasting, professional finish
- Paintable with a latex based paint [1]
- Water-resistant in humid or steamy areas when cured
- Easy clean up with soap and water
- Low odor, non-flammable, ideal for indoor projects

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

COVERAGE

For a 5.5 fl. oz. (163 mL) squeeze tube:

- ¼" (6 mm) bead extrudes approximately 16 ft. (5.1 m)

For a 10 fl. oz. (295 mL) cartridge:

- ¼" (6 mm) bead extrudes approximately 31 ft. (9.3 m)

TECHNICAL DATA

Typical Uncured Physical Properties	Typical Application Properties
<p><u>Color:</u> White, Clear, and Almond</p> <p>Note: Clear product extrudes white and turns to clear as it dries</p> <p><u>Appearance:</u> Lump free paste</p> <p><u>Base:</u></p> <p>White & Almond: Polyvinyl Acetate (PVA)</p> <p>Clear: Acrylic Latex</p> <p><u>Specific Gravity:</u> 1.06 – Clear 1.26 – White, Almond, Bronze</p> <p><u>Channel Slump:</u> 0 to 0.32 inches ASTM D639 (0 to 8mm)</p> <p><u>Viscosity:</u></p> <p>Squeeze Tube: 112,000 – 160,000 cps</p> <p>Cartridge: 200,000 – 520,000 cps</p> <p><u>VOC Content:</u> ≤ 1.18% by weight (CARB) ≤ 143 g/L (SCAQMD Rule 1168)</p>	<p><u>Application Temperature:</u> Apply above 40°F (5°C) and below 100°F (38°C)</p> <p><u>Odor:</u> Mild Acrylic</p> <p><u>Maximum Joint Size:</u> 1/4" (6 mm) x 1/4" (6 mm)</p> <p><u>Extrusion:</u> 28 lbs. (12.7 kg) cartridge grade</p> <p><u>Tooling Open Time:</u> 5 minutes*</p> <p><u>Tack-Free Time:</u> 10 - 20 minutes*</p> <p><u>Cure Time:</u> 1 to 14 days** at 78°F (25°C) and 50% RH</p> <p><u>Clean Up:</u> Warm water and soap. Scrape away cured sealant using a sharp-edged tool.</p>

<p><u>Shelf Life:</u> 18 months from date of manufacture (unopened)</p> <p><u>Lot Code Explanation:</u></p> <p>YYDDD</p> <p>YY = Last two digits of year of manufacture</p> <p>DDD = Day of year based on 365 days per year</p> <p>Example:</p> <p>22060 = March 1, 2022 is the manufacture date</p>	<p>+ Cartridge: Stamped along bottom edge of cartridge</p> <p>+ Squeeze Tube: Imprinted along crimped edge of tube</p>
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*Time is dependent upon temperature, humidity, porosity of substrate and depth of sealant applied

**Cure time is increased in cold temperatures and/or high humidity environments

Typical Cured Performance Properties	
<u>Color:</u> White, Almond, and Clear	<u>Hardness (Shore A):</u> 65 (ASTM C661)
<u>Cured form:</u> Non-flammable solid	<u>Paintable [1]:</u> Yes, after 40 minutes with latex paint [1]
<u>Tensile Strength:</u> 245 psi (ASTM D412)	<u>Service Temperature:</u> 20°F (-7°C) to 170°F (77°C)
<u>% Elongation:</u> 350% (ASTM D412)	<u>Water Resistance [1]:</u> Wait until sealant is fully cured before exposing to water (24 to 48 hours)
<u>Extension Recovery:</u> 100% (ASTM C736)	
<u>Joint Movement:</u> ≤ 7 % total movement capability	

[1]: Sealant can be painted with latex paint or primer in 40 minutes with bead size 1/4", temperature min 65°F (18.3°C) & humidity min 50%. Sealant beads larger than 1/4 inch should not be painted for 2 hours or exposed to water for 24 – 48 hours. Allow to dry for 24 hours if using oil-based paints. Do not touch for 24 hours, unless applying paint.

[2]: Fully cured sealant is resistant to stain-causing mold & mildew. Regular cleaning of sealant is required however, as soap and other residue can cause secondary mold and mildew growth.

DIRECTIONS

Tools Typically Required:

Utility knife, caulking gun, and tooling device.

Safety Precautions:

Use in a well-ventilated area. Wear gloves, and wash hands after use.

Preparation:

The temperature of the product, application surfaces, and the working area must be above 40°F (5°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 dry thoroughly. 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).

NOTE: *Silicone residues remaining on application surfaces will impact adhesion resulting in release of sealant application.*

Application:

Using a caulking gun apply sealant with steady pressure, forcing the sealant into the joint. Smooth bead immediately with a wet, gloved finger or a tool. Remove masking tape immediately after tooling and wipe excess off hands and tools. Sealant is paintable with a latex paint after 40 minutes ^[1]. 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 but will turn clear again upon drying.*

Clean-up:

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

STORAGE & DISPOSAL

KEEP FROM FREEZING. Store in a cool, dry location at room temperature. For maximum shelf-life store at 75°F (24°C). Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

For 5.5 oz squeeze tube and 10 oz cartridge (Clear):

CAUTION! May irritate eyes and skin. Avoid contact with eyes and skin. Do not swallow.

FIRST AID: If swallowed, call a physician or Poison Control center. For eye contact flush with water for 15 minutes. For skin contact, wash with soap and water. **KEEP OUT OF THE REACH OF CHILDREN.**



WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

For 5.5 oz squeeze tube and 10 oz cartridge (White, Almond, and Bronze):

CAUTION! Contains crystalline silica. May irritate eyes and skin. Avoid contact with eyes and skin. Do not swallow.

FIRST AID: If swallowed, 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. **KEEP OUT OF THE REACH OF CHILDREN.**



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Refer to the Safety Data Sheet (SDS) for further information

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