



TECHNICAL DATA SHEET



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DESCRIPTION

Loctite® Polyseamseal® Rain Guard™ is a high performance sealant designed for exterior door, window and siding applications. Contains patented Rain Guard™ technology which allows uncured sealant to resist washout due to early rain exposure. Polyseamseal® Rain Guard™ is an acrylic based formulation with superior adhesion, flexibility and durability. Cures to a high gloss sheen, is paintable and also mold and mildew resistant.

RECOMMENDED FOR:

Windows and doors, vinyl and fiber cement siding, wood, hardboard, pressboard, OSB, brick and concrete

NOT RECOMMENDED FOR:

- Applying at temperatures below 40°F (5°C) and above 100°F (38°C)
- Continuous water immersion
- Use below water line, on mirrors or in aquariums,
- Architectural joints, joints subject to heavy abrasion or wear or tuck pointing
- Joints deeper than 1/4" without the use of a backer rod
- Outdoor use if freezing conditions are expected within 24 hours of application
- Butt joint applications
- Application on unfinished or unprimed fiber cement (Fiber cement must be primed or have a factory finish before application)

FEATURES & BENEFITS:

Feature	Benefits
Contains exclusive Rain Guard™ technology...	Resistant to rain and washout
Permanently flexible and durable.....	Long lasting, professional finish
Mold & mildew resistant.....	Inhibits mold & mildew growth
Easy clean up.....	Uncured adhesive cleans up easily with soap and water
Water-resistant.....	Ideal for humid or steamy areas
Paintable and durable.....	Long lasting, professional finish
Water-based sealant.....	Low odor and non-flammable

COVERAGE

A 10 fl. oz. (295 mL) cartridge will extrude approx. 30 ft. (9.5 m) of a 1/4" (6 mm) bead.

Item #	Packaging	Size
1508197	Plastic Cartridge	10 fl. oz. (295 mL)

DIRECTIONS

Tools Typically Required:

Utility knife, caulking gun, masking tape and tooling device.

Safety Precautions:

Well-ventilated area. Wear gloves.

Preparation:

Apply sealant between 40°F (5°C) and 100°F (38°C). Surfaces must be clean, dry and free of old caulk, grease, dust and other contaminants. For neat bead lines, 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. Smooth bead immediately with a wet finger or a tool. Remove masking tape immediately after tooling and wipe excess off of hands and tools. Allow to dry at least 24 hours before painting. Cure time is dependent upon temperature, humidity and depth of sealant used. High humidity and low temperatures will lengthen cure time.

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 cartridge 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! Wash hands after handling. Avoid contact with eyes and skin. Do not take internally. If swallowed, seek medical attention immediately. Keep from freezing. KEEP OUT OF THE REACH OF CHILDREN.

Refer to 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>	White	<u>Application Temperature:</u>	Apply between 40°F (5°C) and 100°F (38°C)
<u>Appearance:</u>	Lump-free, non-sag paste	<u>Skin Time:</u>	6 minutes
<u>Base:</u>	Acrylic Urethane Latex	<u>Tooling Time:</u>	10 to 20 minutes
<u>Odor:</u>	Mild acrylic odor	<u>Cure Time:</u>	24 hours to 2 weeks (Cure time is dependent on temperature, humidity and amount of product used.)
<u>Specific Gravity:</u>	1.22	<u>Extrusion:</u> (5/16" opening @ 5 in / min):	
<u>pH:</u>	7.5 ± 0.3	At 120°F (49°C)	21 lb
<u>VOC Content:</u>	< 0.1% by weight (< 5 g/L)	At 73°F (23°C)	36 lb
<u>Shelf Life:</u>	18 months from date of manufacture (Unopened)	<u>Sag or Slump @ 120°F (49°C):</u> (ASTM D 2202)	0.04"
<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		
(Lot code is stamped on bottom edge of cartridge body)	For example: 09061 = 61 st day of 2009 = March 2, 2009		

Typical Cured Performance Properties

<u>Color:</u>	White
<u>Service Temperature:</u>	-15°F (-26°C) to 170°F (77°C)
<u>Paintable:</u>	Yes, after 24 hours.
<u>Shore A Hardness:</u>	35
<u>Water Resistant:</u>	Full water resistance is achieved once the sealant is fully cured. Rain Guard™ technology allows uncured sealant to resist washout due to early exposure to rain.
<u>Tensile Strength (ASTM D 412):</u>	
5 days cure @ 23°C (73°F)	93 ± 14 psi
1 day cure @ 23°C (73°F) + 30 days @ 50°C (122°F)	392 ± 3 psi
<u>Elongation at Break (ASTM D 412):</u>	
5 days cure @ 23°C (73°F)	666 ± 37%
1 day cure @ 23°C (73°F) + 30 days @ 50°C (122°F)	345 ± 23%
<u>% Recovery:</u>	
5 days cure @ 23°C (73°F)	89%
1 day cure @ 23°C (73°F) + 30 days @ 50°C (122°F)	90 ± 1%
<u>180° Peel Adhesion – Dry:</u> (ASTM C 794 – 21 day cure – no water immersion)	
Vinyl Siding	7.2 ± 0.5 pli
Aluminum Flashing (coated)	11.6 ± 1.2 pli
Fiber cement - Primed (Hardie Board)	5.2 ± 1.3 pli
Pine	8.3 ± 1.7 pli
OSB (glossy side)	10.4 ± 4.1 pli
<u>Joint Movement Capability:</u>	± 25%