



PL Heavy Duty Sealant

Description: Loctite PL Heavy Duty Sealant is the first and only sealant that can do it all. Because of its unique 5x stretch and superior strength, Loctite PL Heavy Duty Sealant provides a durable seal that lasts a lifetime. PL Heavy Duty is an all condition, easy to use sealant that provides all the best benefits of traditional sealants in one. It makes the decision process of choosing the correct sealant for your project quick and easy. Its superior adhesion and low odor biocide formula, makes it a perfect sealant for a multiple of interior and exterior projects including; tubs, showers, fixtures, sinks, countertops, tile, trim, baseboards, sealing around windows, doors, siding & many more.

Available As:

Item #	Size	Package	Color
2141743	9.5 fl oz (280 ml)	Plastic Cartridge	White

Features & Benefits:

- 5X Stretch allows the product to stay permanently flexible, will not shrink or crack over time
- Superior adhesion formulated to provide an excellent seal on the widest amount of substrates
- Easy to use on both interior and exterior projects
- Paintable in 30 minutes, fully cures in 24 hours
- Weather resistant, will not wash out or discolor
- Scrub and mildew resistant for long lasting professional finish in kitchen and bath projects

Recommended For:

PL Heavy Duty Sealant is suitable for interior and exterior projects. It can bond and seal a variety of materials including wood, laminate, drywall, plaster, tile, ceramic, porcelain, concrete & masonry, marble, granite, brick, aluminum, stainless steel, metal, fiberglass, PVC and many more.

For Best Results:

- Not suitable for use in load bearing applications
- Do not use below waterline, on mirrors, under shower door tracks or in aquariums
- Maximum joint size is 1/4" without backing material
- Do not use on joints immersed in water or applications requiring continuous water immersion
- Do not use as a traffic bearing sealant or in log homes

Coverage:

For a 9.5 fl. oz. (280 mL) cartridge:

- A 1/4" (6 mm) bead extrudes approximately 29.1 ft. (8.9 m)
- A 3/8" (9.5 mm) bead extrudes approximately 12.9 ft. (3.9 m)



TECHNICAL DATA SHEET

Typical Uncured Physical Properties:

Color:	White	
Appearance:	Non-slumping paste	
Base:	Silane Modified Polymer	
Odor:	Alcohol	
Specific Gravity:	1.4 – 1.5	
Flash Point:	224.6° F (107° C)	
VOC Content:	2.9% by weight 34.8 g/l	CARB SCAQMD rule 1168
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year Example: 16061 = 61st day of 2016 = March 2, 2016	

Typical Application Properties:

Application Temperature:	Apply between 0°F (-18°C) and 140°F (60°C)	
	For easier extrusion of sealant at lower temperatures, store cartridge at room temperature at least hours prior to use	
Skin Formation Time:	20-30 minutes*	*At 72°F and 70% relative humidity
Cure Time:	24-72 hours*	*Time is dependent on temperature, humidity, porosity of substrate and depth of sealant applied
Extrusion Rate:	42 ml/min	ASTM C 1183 (Procedure A)
Vertical Sag:	0 inches	ASTM D 639

Typical Cured Performance Properties:

Color:	White	
Service Temperature:	-14.8°F (-26°C) to 158°F (70°C)	
Water Resistant:	Yes	
Paintable:	Yes, with latex paint	
Nail-Hole Filling:	Suitable when painted	
Bubble Resistant:	Yes	
Hardness:	32	ASTM C 661
Joint Movement:	± 50%	ASTM C 719
Tensile Strength:	234 psi	ASTM D 412
Maximum Elongation:	577%	ASTM D 412
180° Peel Adhesion:		ASTM C 794
PVC Trim:	47.6 lb/in	
Fiber Cement:	47.0 lb/in	
Coated (Painted) Aluminum:	51.1 lb/in	
Vinyl Siding:	54.7 lb/in	
Mortar:	42.0 lb/in	
Specifications:	Meets the performance requirements of: <ul style="list-style-type: none">• ASTM C 920: Type S, Grade NS, Class 50	



TECHNICAL DATA SHEET

Directions:**Tools Typically Required:**

Utility knife, caulking gun

Safety Precautions:

Wear gloves and wash hands after use.

Surface Preparation:

Ensure all surfaces are clean and free of old caulk, grease, dust, ice, snow, frost, surface water and other contaminants. While PL Heavy Duty is generally considered a non-priming sealant, special circumstances or substrates may require a primer. It is the user's responsibility to test substrate compatibility and the adhesion of the cured sealant on a test joint before applying to the entire project.

General Preparation:

The temperature of the product, the surfaces and the working area should be between 0°F (-18°C) and 140°F (60°C). For best performance, store cartridge at room temperature at least 24 hours before use. Cut plastic nub of cartridge then screw on plastic nozzle. Insert cartridge into caulking gun, cut nozzle at a 45° angle to desired bead size (3/8" is recommended for optimal joint protection).

Application:

Using a caulking gun, apply sealant with steady pressure, forcing sealant into joint. If the depth of the joint exceeds 1/2" the use of a backer rod is recommended. PL Heavy Duty will not pop or splatter and will dispense smoothly on extrusion from the cartridge. Tooling of the sealant is allowed. Full cure may take 24-72 hours or longer depending on ambient conditions and volume of sealant used. Sealant is paintable in 1 hour. Latex paint is recommended. If using oil based/alkyd paint, a latex primer should be used first.

Clean-up:

Clean tools and uncured sealant residue immediately with mineral spirits or paint thinner. Cured sealant must be carefully cut away with a sharp-edged tool.

Storage & Disposal:

NOT DAMAGED BY FREEZING. For optimal shelf life, store in a cool, dry place in a tightly closed container. Do not let moisture contaminate product. Product reacts with water to release carbon dioxide which could build up pressure in the contained. Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

Label Precautions:**WARNING! UNCURED SEALANT IRRITATES EYES, SKIN AND RESPIRATORY TRACT.**

WARNING! Contains vinyl trimethoxysilane. May be harmful if inhaled or swallowed. Methanol is released during application and cure, which may affect the nervous system causing dizziness, headache or nausea. Use in a well-ventilated area. Do not breathe vapors. Avoid eye and skin contact. Prolonged or repeated skin contact with uncured sealant may cause irritation. Wear gloves and safety glasses when applying product. Remove contact lenses before using sealant. Wash hands after using. **FIRST AID:** For eye contact flush with water for 15 minutes. Call a physician if irritation develops and persists. For skin contact, wash thoroughly with soap and water. If affected by inhalation, remove to fresh air and get medical attention. If ingested, do not induce vomiting; call a physician or Poison Control Center immediately. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

WARNING! This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Refer to the 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. 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 SHEET



Trusted Performance. Proven Results.

For over 50 years, Loctite Brand adhesives and sealants have taken on the toughest jobs. Used in race cars, airplanes, and even in the space-shuttle, Loctite provides solutions for the most demanding industrial, professional and consumer applications. Loctite gives you not the specialization, power and performance to not only get your job done, but to get it done right.

1-800-624-7767 – Mon-Fri - 9:00a – 4:00p ET

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.

Henkel Corporation - Professional & Consumer Adhesives Headquarters - Rocky Hill, CT 06067

www.henkelna.com

Revision Date: 08/08/2016 Supercedes: NEW Bulk #: 1921396