

PL[®] MAX Landscape Construction Adhesive

DESCRIPTION

LOCTITE[®] PL[®] MAX Landscape Construction Adhesive is an exterior, heavy-duty, premium quality adhesive designed to meet many landscaping needs. This product delivers a quick and easy solution for landscaping projects such as securing block walls and capstones, installing concrete paving stones, and for bonding brick, stone, timbers, concrete, and wood. PL MAX Landscape Construction Adhesive may be used under a variety of moisture and temperature conditions ranging from sub-freezing to elevated temperatures.

Available as:

Item #	Package	Size	Color
3025178	Plastic cartridge	9 fl. oz. (266 mL)	Light grey

FEATURES & BENEFITS

- Formulated for exterior use – water and weather resistant
- Easy to gun in cold weather
- Provides a durable bond to multiple surfaces
- Versatile solution for bonding the final course of cap stones or installing cement paving stones to solid, horizontal surfaces
- Will bridge minor gaps when bonding irregular surfaces

RECOMMENDED FOR

Bonds to most common landscaping materials such as brick, stone, timbers, slate, concrete, and wood.

LIMITATIONS

- Water submersion applications or constantly damp environments
- Landscape step/stair construction not recommended, for safety reasons
- Not recommended for use with some plastics, such as composite decking materials
- Areas of high heat, such as fireplace openings or fire pit construction
- Will not bond to limestone or sandstone
- Pressure treated lumber must be well seasoned for at least 6 months of weather exposure
- Applications over hygroscopic salt-treated wood, such as zinc chloride treatments are not recommended. These substances attract, absorb, and retain moisture.
- Exterior use only

COVERAGE

For a 9 fl. oz. (266 mL) cartridge:

- A 1/4" (6 mm) bead extrudes approximately 28 lin. ft. (8.5 m)
- A 3/8" (9.5 mm) bead extrudes approximately 12.3 ft. (3.7 m)

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Light grey	<u>Application Temperature:</u>	Apply and cure above 10°F (-12°C) and below 120°F (49°C)
<u>Appearance:</u>	Thixotropic solid	<u>Odor:</u>	Alcohol
<u>Base:</u>	Silane Modified Polymer	<u>Open Time:</u>	10 minutes*
<u>Specific Gravity:</u>	1.78	<u>Repositioning Time:</u>	5 – 10 minutes*
<u>VOC Content:</u>	4.84% by weight 86.15 g/l	<u>Clamping Time:</u>	24 hours
	CARB SCAQMD rule 1168		

TECHNICAL DATA

Typical Uncured Physical Properties	Typical Application Properties
<p><u>Shelf Life:</u> 18 months from date of manufacture (unopened)</p> <p><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 Example: 22248 = 248th day of 2022 = September 5, 2022</p>	<p><u>Cure Time:</u> 24 hours*</p> <p><u>Clean up:</u> Clean up uncured adhesive residue with mineral spirits. Cut or scrape away cured adhesive using a sharp-edged tool. Note this may result in damage to surfaces. Follow solvent manufacturer's precautions for using solvents.</p>

* At 73°F (23°C) and 50% relative humidity
 Time is dependent on temperature, humidity, porosity of substrate, and amount of adhesive applied

Typical Cured Performance Properties

<u>Color:</u> Light grey	<u>Service Temperature:</u> 0°F (-18°C) to 160°F (71°C)
<u>Cured form:</u> Non-flammable, hard solid	<u>Water Resistance:</u> Yes
<u>Paintable:</u> Yes, once fully cured with latex paint only	<u>Specifications:</u> ASTM D3498

Compression Shear Strength, ASTM D3498:

Dry Lumber	382 psi
Wet Lumber	362 psi
Frozen Lumber	329 psi
Gap Filling	322 psi
Moisture resistance	426 psi

DIRECTIONS

Tools Typically Required:

Utility knife, caulking gun, tool to puncture cartridge seal.

Safety Precautions:

Wear gloves to avoid skin contact and wash hands after use.

Preparation:

The temperature of the bonding surfaces and working area must be between 10°F (-12°C) and below 120°F (49°C). For best results and smooth, fast, easy application during cold weather, store adhesive at room temperature (70° ± 5°F) 24 hours prior to use. Ensure surfaces to be bonded are clean, structurally sound, and free of standing water, dust, grease, oil, and/or other contaminants. Pre-fit all materials prior to applying product. Cut off tip of cartridge at 45° angle to desired bead size. For exterior applications the recommended round bead size is 3/8" (9.5 mm). Puncture seal inside of nozzle.

General Application Guidelines:

Apply adhesive bead to one of the surfaces to be bonded. Apply the adhesive at a rate so materials can be positioned and fastened within 10 minutes. Projects may require support until adhesive has cured. It is recommended that all foot traffic stay off paver stones or retaining caps for at least 24 hours after installation.

For Landscape Blocks:

When installing the cap onto the final course of landscape blocks, apply approximately 2" in from the front and 2" in from the back of the cap to be installed.

For Concrete Paving Stones:

Apply an "S" shaped bead to the back of the stone to be installed. If using old concrete, clean with a 20% muriatic acid solution, then rinse with clean water and allow to dry prior to applying adhesive.

Clean-up:

Clean tools and uncured adhesive residue immediately with acetone or mineral spirits in a well-ventilated area to the outdoors. Follow solvent manufacturer's precautions for using solvents. Cured adhesive may be carefully cut or scraped away with a sharp-edged tool. Note this may result in damage to surfaces.

STORAGE & DISPOSAL

NOT DAMAGED BY FREEZING. For best results store unopened product at standard conditions which are defined as 72 ± 4°F (22 ± 2°C) and <50% relative humidity. Use an approved hazardous waste facility for disposal, and in accordance with local and federal regulations.

LABEL PRECAUTIONS

WARNING: Contains silanes and silane derivatives. 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 dust or vapors. Avoid eye and skin contact. Prolonged or repeated skin contact with uncured adhesive may cause an allergic reaction. Wear gloves and safety glasses when applying product. Remove contact lenses before using adhesive. 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: Risk of Cancer and Reproductive Harm – www.P65Warnings.ca.gov

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. 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.

LIMITED WARRANTY

This product is warranted by Henkel Corporation to be free from defects in materials when used as directed. Henkel's sole obligation shall be, at its option, to replace or refund the purchase price of product proven to be defective. Henkel makes no other warranty – express or implied – including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE and will not be liable for consequential or incidental damages. For warranty assistance, contact Henkel at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET.



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