



TECHNICAL DATA SHEET



Henkel Corporation
Professional and Consumer Adhesives
Avon, OH 44011
Phone 1-800-624-7767
Fax (440) 937-7067
www.henkel.com www.stickwithpl.com

DESCRIPTION

PL® Landscape Block Adhesive is an exterior, heavy-duty, premium quality adhesive designed to meet any landscaping need. It delivers a quick and easy solution to installing the final course of cap with landscape blocks and the installation of cement paving stones. Excellent for landscaping projects, such as securing block walls and capstones and for bonding brick, stone, timbers, concrete, metal and wood. PL® Landscape Block Adhesive may be used under a variety of moisture and temperature conditions ranging from sub-freezing to elevated temperatures, dry, wet or frozen framing. Provides excellent flexibility to compensate for the different expansion rates of dissimilar materials. It is particularly effective when bonding irregular surfaces or bridging gaps between surfaces.

RECOMMENDED FOR:

Use on:

- Brick
- Stone
- Timbers
- Slate
- Concrete
- Metal
- Wood

NOT RECOMMENDED FOR:

- Foam board insulation
- Applications over hygroscopic salt-treated wood, such as zinc chloride treatments. These substances attract, absorb and retain moisture
- Continuous water submersion
- Use on plastics

FEATURES & BENEFITS:

Feature	Benefits
Waterproof and Weather Resistant.....	Ideal for any landscaping project
Adheres to brick and stone.....	Easy solution to securing final course of cap stones or installing cement paving stones
Bonds to most building materials.....	Provides a strong, durable bond to multiple surfaces
Gap filling.....	Will bridge minor gaps when bonding irregular surfaces



Item #	Package	Size
828486	Paper Cartridge	10.2 fl. oz.
828488	Paper Cartridge	28 fl. oz.

COVERAGE

For a 10.2 fl. oz. cartridge:

- A 1/4" (6 mm) bead extrudes approximately 32 ft (9.5 m).
- A 3/8" (9.5 mm) bead extrudes approximately 14 ft. (4.26 m).

For a 28 fl. oz. cartridge:

- A 1/4" (6 mm) bead extrudes approximately 85.8 ft (26.1 m).
- A 3/8" (9.5 mm) bead extrudes approximately 38.1 ft (11.6 m).

DIRECTIONS

Tools Typically Required:

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

Safety Precautions:

Interior applications require ventilation to the outside during application and cure. Wear gloves. Wash hands after use.

Preparation:

The temperature of the adhesive, the surfaces and the working area must be between 10°F (-12°C) and 100°F (38°C). For 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, dry, structurally sound and free of dust, grease, oil or other contaminants. To increase adhesion, sand glossy surfaces to a dull finish. 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 bead size is 3/8" (9.5 mm). Puncture seal inside of nozzle.

Application:

Apply a continuous zigzag bead to one surface to be bonded. Apply the adhesive at a rate so that the materials can be positioned and fastened within 10 minutes. All projects may require support until adhesive has cured. It is recommended that all foot traffic stay off of paver stones or retaining caps for at least 24 to 48 hours after installation and heavy traffic for approximately 4 to 5 days.

For Landscape Blocks:

When installing the cap onto the final course of landscape blocks, apply a 6.3 mm (¼") bead approximately 5 cm (2") in from the front and 5 cm (2") in from the back of the cap to be installed.

For Concrete Paving Stones:

Apply an "S" shaped bead approximately 6.3 mm (¼") to 9.5 mm (3/8") in diameter to the back of the stone to be installed. If using old concrete, clean with a 20% muriatic acid solution.

Clean-up:

Clean tools and uncured adhesive residue immediately with acetone or mineral spirits in a well-ventilated area to the outdoors. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE AND DISPOSAL

Not damaged by freezing. For best results, store at 70° ± 5°F in a cool, dry place. Store away from heat, flame and sparks. Take unwanted product to an approved household hazardous waste transfer facility. Hardened material may be disposed of with trash.

LABEL PRECAUTIONS

DANGER! EXTREMELY FLAMMABLE. Contains Petroleum Hydrocarbon, Toluene and Ethanol. Prevent build-up of vapors. Vapors may cause flash fires. Use only in areas of cross ventilation. Open all windows and doors during application and curing. Keep away from heat, sparks and open flame. Avoid breathing vapors. Avoid prolonged or repeated skin contact. **KEEP OUT OF REACH OF CHILDREN. Warning!** Contains materials listed by the state of California as known to cause cancer, birth defects or other reproductive harm. **FIRST AID:** In case of eye contact flush immediately with plenty of clean water for at least 15 minutes. For skin, wash thoroughly with soap and water. If swallowed, do NOT induce vomiting. Consult physician immediately. Overexposure to vapors is irritating to eyes and respiratory tract. May cause headaches and dizziness and is an anesthetic. If overcome by vapors remove to fresh air.

Refer to the 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>	Tan	<u>Application Temperature:</u>	Apply and cure between 10°F (-12°C) and 100°F (38°C)
<u>Appearance:</u>	Thick, non-sagging paste	<u>Repositioning Time:</u>	15 minutes
<u>Base:</u>	Synthetic rubber and resins	<u>Full Cure Time:</u>	7 days Cure time depends upon temperature, humidity, porosity of substrate and amount of adhesive used.
<u>Odor:</u>	Solvent		
<u>Specific Gravity:</u>	1.10		
<u>Flash Point:</u>	0°F (-17.78°C)		
<u>VOC Content:</u>	370 g/L (32% by weight)		
<u>Shelf Life:</u>	18 months from date of manufacture (unopened)		
<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 plunger of cartridge)		
	For example: 09061 = 61 st day of 2009 = March 2, 2009		

Typical Cured Performance Properties

<u>Color:</u>	Tan
<u>Cured Form:</u>	Non-flammable solid
<u>Service Temperature:</u>	-20°F (-29°C) to 150°F (66°C)
<u>Water Resistance:</u>	Yes
<u>Bond Strength:</u>	
Wood to Steel	454 psi
Steel to Steel	723 psi
Brick Pavers	24 hours : 14 ± 2 psi 7 days : 162 ± 2 psi