



TECHNICAL DATA SHEET



Henkel Canada Corporation
 Professional and Consumer Adhesives
 Mississauga, ON L5N 6C3
 Phone 1-800-624-7767
 Fax (440) 250-9661
www.henkel.com www.lepage.com

DESCRIPTION



LePage® Outdoor Weatherproof Wood Glue is a durable, high performance, water and moisture resistant interior/exterior wood glue. It dries to a tough, high strength bond with over 3700 psi shear strength on maple. LePage® Outdoor Wood Glue is intended for tight fitting joints in wood working projects that will have occasional weather exposure. It is also suitable for interior projects where water resistance is beneficial. To extend water resistance, finish the project with a protective coating. LePage® Outdoor Wood Glue is sandable, paintable, and non-flammable. Uncured adhesive can be easily cleaned up with soap and water. LePage® Outdoor Weatherproof Glue exceeds the ANSI/HPMA HP Type II test for adhesive water resistance.

LePage® Outdoor Weatherproof Wood Glue is available in the Easy Flow Bottle format, which has an extended nozzle for precise application and flow control. The tapered nozzle is excellent for biscuit joint applications. It has a re-sealable airtight cap with built-in tip holder and a wide neck for easy refilling. The bottle is easy to squeeze with its flat side and non-slip grip. There are extra sealant threads for adding extra long sealant nozzles.

RECOMMENDED FOR:

Bonds porous substrates such as wood, wood compositions, veneer, paper, cardboard, fabric and leather. Excellent for interior and exterior applications such as patio tables and chairs, bird and doghouses, mailboxes, signs, railings, columns, above the water line marine applications, counter tops, bathroom projects, window sills, laminated woodworking and floating hardwood flooring.

NOT RECOMMENDED FOR:

- Joints that require gap filling
- Non-porous substrates. (e.g. plastic or metal)
- Structural applications (e.g. Load bearing applications in building construction)
- Storage in metal containers

Item #	Package	Size
442185	Plastic Bottle	400 mL
524644	Plastic Bottle	800 mL

FEATURES & BENEFITS:



Feature	Benefits
Adhesive:	
Sandable.....	Easy removal once cured
Paintable.....	Unaffected by finishes
Dries translucent brown	Blends with many wood tones
Water Resistant.....	All-season durability
Water-based.....	Easy clean-up with soap and water
Easy Flow Bottle:	
Tapered nozzle.....	Precise application
Wide neck.....	Easy to refill
Re-sealable threaded cap.....	Air tight seal for long storage life
One flat size.....	Bottle will not roll away if placed on its side
Non-slip grip.....	Easy to handle
Easy-to-squeeze bottle.....	Excellent flow control

COVERAGE

Approximately 3.9 m²/l (159 ft²/gallon) per surface @ 10 mils (0.010 inches) wet.

DIRECTIONS

Tools Typically Required:

Wood clamps, damp cloth or rag, sandpaper.

Safety Precautions:

Wash hands after use.

Preparation:

Apply and cure adhesive when materials, working environment, and glue are at a working temperature above 10°C (50°F). If the adhesive appears grainy or very thick, it has either been damaged by freezing or has exceeded its shelf life. If this is the case, do not use as product performance would be compromised. Surfaces to be bonded must be tight fitting, clean, free of standing water, grease, frost, dust and other contaminants. For best results, use woods with a moisture content between 7% and 12%. Extremely dry wood will soak up the water in the adhesive before the curing process can occur. Oily woods such, as teak and rosewood should be freshly dressed and degreased using acetone. (Note: Acetone is highly flammable. Follow manufacturer's safety warnings.) Do not dilute the adhesive.

Application:

Spread LePage® Outdoor Wood Glue evenly onto contacting surfaces. Open time should be limited to 5 minutes. Join and clamp parts under moderate pressure, 345 to 1034 kPa (50 to 150 psi), until they achieve uniform contact (i.e. no gaps). For hardwoods, use a higher-pressure range. Avoid excessive pressure, which will result in starved glue joints. Remove any "squeeze-out" with a scraper or by wiping with a clean, damp cloth. Clamp parts together for at least 60 minutes. Allow for extra clamping and drying time when bonding oily woods. When laminating multiple layers of wood or gluing assemblies under stress, allow additional clamping time. After clamping, allow glued sections to remain undisturbed overnight before subjecting to further finishing. Ensure that any excess dried glue is removed from all surfaces by sanding prior to staining or varnishing. Failure to do so will result in a white spot when using stains or clear coats. Allow 3 to 5 days set time before exposing to water.

Clean-up:

Wet adhesive residue can be cleaned up using warm, soapy water. After it has dried, it is very difficult to remove. Repeated rubbing with a hot damp cloth or steaming is the best method. Paint strippers will also remove dried glue

STORAGE AND DISPOSAL

DAMAGED BY FREEZING. Store in tightly closed containers at a storage temperature of 4°C (39°F) to 30°C (86°F). Do not store in metal containers. For unwanted product, allow to harden and dispose with trash.

LABEL PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN.

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>Colour:</u>	Pale brown	<u>Application Temperature:</u>	Apply and cure above 10°C (50°F)
<u>Appearance:</u>	Free flowing liquid	<u>Odour:</u>	Minimal
<u>Base:</u>	Polyvinyl acetate	<u>Open Time:</u>	5 minutes
<u>Solvent:</u>	Water	<u>Clamping Time:</u>	60 minutes
<u>Specific Gravity:</u>	1.09	<u>Dry Time:</u>	24 hours @ 25°C (78°F) and 50% RH.
<u>Viscosity:</u>	3,500 – 5,000 cps @ 20 rpm	<u>Clean Up:</u>	Uncured adhesive: Soap and water
<u>pH:</u>	2.6 - 3.5		

Shelf Life: 18 months from date of manufacture
 (Unopened)

Lot Code Explanation: **YM123-YYDDD**

(Lot code stamped on
 neck of bottle)

YM123 = Batch Code = Manufacturing Code
 Y= Year
 M = Month
 123 = The batch # of product manufactured
 in that given month and year.

For Example:
 CE028
 C = Year = 2013
 E = Month = May
 028 = This is the 28th batch of this product
 to be manufactured in May 2013.

YYDDD = Date Code = Packaging Code
 YY = Last two digits of year of
 manufacture
 DDD = Day of manufacture
 based on 365 days in a year

For Example:
 13126
 = 126th day of 2013
 = May 6, 2013

Year		Month	
2006	F	Janvier	A
2007	G	Février	B
2008	H	Mars	C
2009	J	Avril	D
2010	K	Mai	E
2011	A	Juin	F
2012	B	Juillet	G
2013	C	Août	H
2014	D	Septembre	J
2015	E	Octobre	K
2016	F	Novembre	M
2017	G	Décembre	N

Note: I, L and O have been skipped so as not to confuse
 the letters with numbers.

Typical Cured Performance Properties

Colour: Translucent brown

Cured Form: Hard, non-flexible

Paintable: Yes

Sandable: Yes

Water Resistance: Develops after 3 to 5 days

Compression Shear Strength (ASTM D 905):
 Hard white maple, 60 min clamp, 7 day dry time: > 25.5 N/mm² (> 3700 psi)

Specifications: Exceeds ANSI/HPMA HP Type II Test for Adhesive Water Resistance