



TECHNICAL DATA SHEET

LEPAGE® OUTDOOR WOOD GLUE

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DESCRIPTION

LePage® Outdoor 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 Wood Glue exceeds the ANSI/HPMA HP Type II test for adhesive water resistance.

LePage® Outdoor 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, leather, 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, windowsills, 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

FEATURES & BENEFITS:

| Feature | Benefits |
|-------------------------------|---|
| <u>Adhesive:</u> | |
| 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 |
| <u>Easy Flow Bottle:</u> | |
| 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 |



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



COVERAGE

Approximately 3.9 m²/L (159 ft²/gallon) per surface @ 10 mils 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. 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, 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. LePage® Poly® Super Strippa® will also lift LePage® Outdoor Wood 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>Specific Gravity:</u> | 1.09 | <u>Clamping Time:</u> | 60 minutes |
| <u>% Solids:</u> | 48.3 % | <u>Dry Time:</u> | 24 hours @ 25°C (78°F) and 50% RH. |
| <u>Viscosity:</u> | 4250 cps @ 20 rpm | <u>Clean Up:</u> | Uncured adhesive: Soap and water |
| <u>pH:</u> | 3.1 | | |
| <u>Shelf Life:</u> | 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 a product manufacture in that given month and year.

For Example:
 HM028
 H = Year = 2008
 M = Month = November
 028 = This is the 28th batch of this product to be manufactured in Nov. 2008.

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:
 09061
 = 61st day of 2009
 = March 2, 2009

| Year | | Month | |
|------|---|-----------|---|
| 2001 | A | January | A |
| 2002 | B | February | B |
| 2003 | C | March | C |
| 2004 | D | April | D |
| 2005 | E | May | E |
| 2006 | F | June | F |
| 2007 | G | July | G |
| 2008 | H | August | H |
| 2009 | J | September | J |
| 2010 | K | October | K |
| 2011 | M | November | M |
| 2012 | N | December | N |
| 2013 | P | | |
| 2014 | Q | | |
| 2015 | R | | |

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

Typical Cured Performance Properties

| | | | |
|-----------------------|-------------------------|--------------------------|---|
| <u>Colour:</u> | Translucent brown | <u>Water Resistance:</u> | Develops after 3 to 5 days |
| <u>Cured Form:</u> | Hard, non-flexible | <u>Clean Up:</u> | Cured adhesive: Scrape, sand or use LePage® Poly® Super Strippa®. |
| <u>Paintable:</u> | Yes | <u>Specifications:</u> | Exceeds ANSI/HPMA HP Type II Test for Adhesive Water Resistance |
| <u>Sandable:</u> | Yes | | |
| <u>Bond Strength:</u> | > 3700 psi (25,511 kPa) | | |

(ASTM D 905, 7 days, Maple)