



# TECHNICAL DATA SHEET



## Polyurethane Wood Glue

**Description:** LePage Polyurethane Glue is a revolutionary high strength adhesive that bonds wood to wood and virtually anything else. It expands deep into material, providing very tough, weather and waterproof bonds.

**Available As:**

Item #	Size	Package	Color
1980354	200 ml	Plastic Bottle	Natural Wood

**Features & Benefits:**

- Bonds to Virtually Anything
- Super Strong
- 100% Waterproof
- Interior/Exterior
- Sandable
- Paintable

**Recommended For:**

LePage Polyurethane Wood Glue is suitable for bonding virtually all materials including wood, stone, metal, ceramic, glass, foam and more.

**Limitations:**

- Not recommended for continuous water immersion
- Do not over apply
- Not recommended for pressure treated wood impregnated with paraffin



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## Typical Uncured Physical Properties:

Color:	Light amber
Appearance:	Liquid
Base:	Polyurethane
Odor:	Characteristic
Specific Gravity:	1.10
Flashpoint:	>110°C (230°F)
Viscosity:	4,000 to 6,500 cps
VOC Content:	0% CARB 0 g/L SCAQMD
Shelf Life:	12 months from date of manufacture (unopened)
Lot Code Explanation:	<b>YYDDD</b> YY= Last two digits of year of manufacture DDD= Day of manufacture based on 365 days in a year Example: 15143 = 143rd day of 2015 = May 23, 2015

## Typical Application Properties:

Application Temperature:	Apply between 16°C (60°F) and 35°C (95°F)
Open Time:	5 minutes*
Clamping Time:	1 to 2 hours*
Cure Time:	24 hours*
*Times are dependent on temperature, humidity and porosity of materials	

## Typical Cured Performance Properties:

Color:	Light Tan to Brown
Service Temperature:	Up to 80°C (176°F)
Water Resistant:	Yes
Sandable:	Yes
Paintable:	Yes
Compression Shear Strength:	ASTM D905
Maple – Maple:	
24 hour cure:	9.93 ± 2.83 N/mm <sup>2</sup> (1440 ± 411 psi)
7 day cure:	11.5 ± 2.41 N/mm <sup>2</sup> (1675 ± 349 psi)
Compression Shear Strength:	ASTM D905
Aluminum - Maple:	5.27± 0.70 N/mm <sup>2</sup> (764± 102 psi)
Granite - Plywood:	4.19 ± 0.46 N/mm <sup>2</sup> (608 ± 66 psi)
Unglazed Ceramic – Plywood:	2.90 ± 0.54 N/mm <sup>2</sup> (421 ± 78 psi)
Glass - Maple:	4.70 ± 1.10 N/mm <sup>2</sup> (682 ± 159 psi)



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**Directions:****Tools Typically Required:**

Clamps or mechanical fasteners

**Safety Precautions:**

Wear disposable gloves and avoid skin contact with adhesive. Cured adhesive on bare skin will not come off immediately with washing and will cause skin to darken. Cured adhesive and discoloration will wear off in about 3 days. Protect work area.

**Preparation:**

Apply between 16°C (60°F) and 35°C (95°F). Surfaces must be tight fitting, clean, free of standing water, grease, frost, dust and other contaminants. Complete all preparatory work before opening adhesive. Plastics may be difficult to bond especially if the source or type is unknown. It is therefore recommended that a trial test be performed prior to the job to determine the integrity of the bond. Unscrew cap.

**Application:**

Lightly mist one surface and wipe away any standing water. Apply an even, thin layer of glue to the other surface. Do not over apply; adhesive will expand in volume. Press the two surfaces together within 5 minutes. Clamp or mechanically fasten parts together for at least 1 to 2 hours. Clamp time may need to be extended in cases of low humidity. Adhesive fully cures in 24 hours. Cure time depends upon humidity, temperature and porosity of substrates. Allow adhesive to cure completely before coating. Sand any excess adhesive from surfaces that are to be stained.

**Clean-up:**

Squeeze excess air from bottle and close immediately after use. Store in a cool dry, place. Clean uncured adhesive with acetone or mineral spirits. Cured adhesive may be carefully cut away with a sharp-edged tool.

**Storage & Disposal:**

Not damaged by freezing. Product cures with exposure to moisture. After using adhesive, squeeze out remaining air from bottle prior to closing and secure cap tightly. Store the bottle in a cool, dry place when not in use. Keep it away from heat sources such as direct sunlight. Use an approved hazardous waste facility for disposal.

**Label Precautions:**

**CAUTION. IRRITANT.** May irritate eyes and skin. Do not get in eyes, on skin or clothing. May cause allergic skin and respiratory reaction. May stain skin. Do not swallow or inhale. **KEEP OUT OF REACH OF CHILDREN. FIRST AID TREATMENT:** Contains methylenebis, isocyanic acid and methylene bisphenyl isocyanate. If swallowed, call Poison Control Center or doctor immediately. Do not induce vomiting. If in eyes rinse well with water for at least 15 minutes. If on skin do not peel. If inhaled, move to fresh air.

Refer to 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.



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