



TECHNICAL DATA SHEET



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DESCRIPTION

LePage® Express Quick Dry Wood Glue is specially formulated for carpentry and cabinet making. It dries to a tough, high strength, humidity resistant bond. A quick dry time of only 10 minutes makes it ideal for complex, multi-piece wood assemblies.

The 400 mL size of LePage Express Quick Dry Wood Glue is available in the convenient Easy Flow Bottle. The Easy Flow System™ features include: an extended nozzle for precise application and flow control, a tapered nozzle ideal for biscuit joint applications, 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 also extra sealant threads for adding extra long sealant nozzles.



RECOMMENDED FOR:

Cabinet making, carpentry work, furniture and general wood gluing. Bonds porous substrates such as wood, wood compositions, veneer, cardboard, leather and cork. Where a water-resistant adhesive is required use LePage Outdoor Wood Glue.

NOT RECOMMENDED FOR:

- Joints that require gap filling
- Bonding non-porous substrates. (e.g. plastic or metal)
- Applications that will be subject to direct water contact unless sealed and maintained with a waterproof coating prior to contact
- Structural applications (e.g. Load bearing applications in building construction)
- Storage in metal containers

FEATURES & BENEFITS:

Feature	Benefits
Dries in 10 minutes.....	Quick dry wood glue
High bond strength.....	Strengths up to 3500 psi
Dries translucent white.....	Invisible bond lines
Sandable.....	Easy removal once cured
Paintable.....	Unaffected by finishes

Item #	Packaging	Size
1536418	Oval Bottle	150 mL
1536417	Easy Flow Bottle	400 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 and sandpaper.

Safety Precautions:

Wash hands after use.

Preparation:

Apply and cure adhesive when materials, working environment, and glue are at a working temperature above 3°C (37°F). Wood surfaces to be bonded must be clean, dry and dressed so that they are close fitting without gaps. Use woods with a moisture content between 8% and 12%. Extremely dry wood will soak up the water in the adhesive before the curing process can occur. Higher moisture contents will prolong the setting time. Oily woods such as teak and rosewood should be freshly dressed and degreased using acetone. Do not dilute the adhesive.

Application:

Spread LePage® Express Quick Dry Wood Glue evenly on both surfaces. Open time should be limited to 8 minutes. Join parts and clamp under moderate pressure, 345 to 1034 kPa (50 to 150 psi), until close fitting (i.e. no gap) for at least 10 minutes. Use higher pressure range for hardwood. 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. After clamping, allow glued sections to remain undisturbed overnight before subjecting to further finishing. Remove dried glue from surfaces by sanding prior to staining or varnishing. Failure to do so will result in a white spot when using stains or clear coats.

Clean-up

Wipe excess glue immediately with a damp cloth. Wash hands immediately with soap and warm water. Cured adhesive may be carefully cut away with a sharp-edged tool or sanded. Rubbing with hot soapy water or steaming will aid removal. Paint strippers will also remove dried glue.

STORAGE AND DISPOSAL

PROTECT FROM FREEZING. Store in tightly closed containers at a storage temperature of 5°C (41°F) to 40°C (104°F). Do not store in metal containers. For unwanted product, allow to harden and dispose of with trash.

LABEL PRECAUTIONS

KEEP OUT OF 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>	Yellow	<u>Application Temperature:</u>	Apply above 3°C (37°F)
<u>Appearance:</u>	Free-flowing liquid	<u>Odour:</u>	Sweet
<u>Base:</u>	Polyvinyl Acetate	<u>Open Time:</u>	Maximum 8 minutes at 20°C*
<u>Solvent:</u>	Water	<u>Clamping Time:</u>	10 minutes
<u>Specific Gravity:</u>	1.10	<u>Full Cure Time:</u>	Overnight (12 to 24 hours)*
<u>pH:</u>	3 – 4.5		*Time depends on the ambient temperature, air humidity, moisture content of the wood and thickness of the adhesive applied
<u>VOC Content:</u>	0.135% by weight (20 g/L)		
<u>Shelf Life:</u>	12 months from date of manufacture (Unopened)		
<u>Lot Code Explanation:</u>	LLNNN – YYDDD – NNNN		
	YY = Last two digits of year of manufacture DDD = Day of manufacture based on 365 days in a year		
(Lot code stamped on neck of bottle)	For Example: AE020-13178-6089		
	13178 = 178 th day of 2013 = June 27 th , 2013		

Typical Cured Performance Properties

<u>Colour:</u>	Translucent yellow
<u>Cured Form:</u>	Hard, flexible solid
<u>Water Resistant:</u>	Resistant to effects of water for a limited time. Complies with DIN EN 204, groups D1 and D2
<u>Sandable & Paintable:</u>	Yes, once fully dry

Compression Shear Strength (ASTM D 905):

▪ Hard white maple. 60 min clamp, 24 hour dry time	19.8 ± 1.8 N/mm ² (2869 ± 259 psi)
▪ Hard white maple. 60 min clamp, 7 day dry time	25.5 ± 1.3 N/mm ² (3696 ± 190 psi)
▪ Marble (unpolished) to plywood, 1 kg pressure for 16 hours, 7 day dry time	6.9 ± 0.4 N/mm ² (996 ± 62 psi)
▪ Marble (polished) to plywood, 1 kg pressure for 16 hours, 7 day dry time	4.4 ± 1.0 N/mm ² (640 ± 144 psi)
▪ Granite (unpolished) to plywood, 1 kg pressure for 16 hours, 7 day dry time	6.6 ± 0.4 N/mm ² (962 ± 60 psi)
▪ Glass to pine, 1 kg pressure for 16 hours, 7 day dry time	11.9 ± 3.1 N/mm ² (1728 ± 456 psi)
▪ Maple to aluminum (sandblasted), 1 kg pressure for 24 hours, 7 day dry time	20.9 ± 2.7 N/mm ² (3025 ± 394 psi)
▪ Pine to plastic laminate (back), 1 kg pressure for 24 hours, 7 day dry time	7.4 ± 0.1 N/mm ² (1067 ± 19 psi)