



TECHNICAL DATA SHEET



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DESCRIPTION

LePage® Multi-Purpose White Glue is a versatile, general-purpose, polyvinyl acetate woodworking adhesive. It is particularly suited for high strength, permanent bonding on wood and a variety of other porous materials. Once dried, the bond strength exceeds the strength of the wood itself. Joints can be readily repositioned and realigned during the initial clamping stages. LePage Multi-Purpose White Glue is non-staining, paintable and sandable. It is water-based, safe to use and non-flammable. Uncured adhesive can be easily cleaned up with soap and water. LePage Multi-Purpose White Glue is non-toxic as per U.S. Federal Consumer Product Safety Commission, ASTM D 4236 and contains no urea formaldehyde. Conforms to CSA 0112.4, CGSB 71-GP-5 and ASTM D-4317-88 (10.2).

The 400 mL and 800 mL sizes of LePage Multi-Purpose White Glue are available in the 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:

Bonding porous substrates such as wood, wood compositions, veneer, paper, cardboard, leather, fabric and cork. LePage Multi-Purpose White Glue is ideal for creating the tight fitting joints required in quality indoor wood working projects. It allows for the repair of lifted edges of wall paper or carpet. Mix with sawdust and use as a wood or wallboard filler. Use to seal or prime porous surfaces.

NOT RECOMMENDED FOR:

- Joints that require gap filling
- Bonding two non-porous substrates (i.e. 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
Adhesive:	
Sandable.....	Easy removal once cured
Paintable.....	Unaffected by finishes
Dries translucent white	Invisible glue lines
Non-Toxic	Safe and easy to use
Bonds with 2 tonnes of strength.....	Bond is stronger than the wood
Not damaged by freezing.....	Stable up to five freeze/thaw cycles
Easy Flow System™:	
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 #	Packaging	Size
393889	Oval Bottle	150 mL
442183	Easy Flow Bottle	400 mL
524381	Easy Flow Bottle	800 mL
531252	Plastic Jug	3 L



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 15°C (59°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 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:

Wood Working:

Spread the glue evenly on the surfaces, join and clamp for a minimum of 25 minutes. For oily woods, allow extra clamping and drying time. Use approximately 345 to 1034 kPa (50 to 150 psi) of pressure to mate parts closely. Use the higher pressure range for hardwood. Avoid squeezing all glue from joint. Waiting 24 hours is recommended before subjecting joints to stress, weight or machining. Use a damp, clean cloth to remove excess wet glue. Machine, sand or scrape away excess hardened glue before staining or varnishing.

Sealing or Priming:

To seal or prime a porous surface, brush a coat of white glue evenly over the surface of the object. Allow the glue to completely dry before applying the finishing coat or paint. Extremely rough surfaces may require two coats of white glue, drying completely between 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 white glue.

STORAGE AND DISPOSAL

Store above freezing. Store in tightly closed containers at a storage temperature of 5°C (41°F) to 32°C (90°F). Freeze/thaw stable up to 5 cycles. Do not store in metal containers. To dispose of any unwanted product, allow to harden and dispose of with household 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>	White	<u>Application Temperature:</u>	Use above 15°C (59°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>	25 minutes
<u>Specific Gravity:</u>	1.08	<u>Dry Time:</u>	24 hours @ 25°C (78°F) and 50% RH. Strength continues to develop for 7 days. Cold and damp conditions will lengthen dry time.
<u>Viscosity:</u>	6,000-10,000 cps (@ 20 rpm, 23°C)	<u>Clean Up:</u>	Uncured adhesive: Soap and water
<u>pH:</u>	4.5		
<u>VOC Content:</u>	0.37% by weight (4.00 g/l calculated)		

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 a product manufacture 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	January	A
2007	G	February	B
2008	H	March	C
2009	J	April	D
2010	K	May	E
2011	A	June	F
2012	B	July	G
2013	C	August	H
2014	D	September	J
2015	E	October	K
2016	F	November	M
2017	G	December	N

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

Typical Cured Performance Properties

Colour: Translucent, white

Cured Form: Hard, non-flexible

Paintable: Yes

Sandable: Yes

Specifications: Conforms to:

- CSA 0112.4
- CGSB 71-GP5
- ASTM D 4317-88 (10.2)
- ASTM D 4236

Compression Shear Strength :

- | | |
|---|---|
| ▪ Hard white maple, 60 min clamp, 24 hour dry time, ASTM D 905 | 17.2 ± 2.4 N/mm ² (2494 ± 347 psi) |
| ▪ Marble (unpolished) to plywood, 1 kg pressure for 24 hours, 7 day dry time | 5.5 ± 1.4 N/mm ² (797 ± 201 psi) |
| ▪ Marble (polished) to plywood, 1 kg pressure for 24 hours, 7 day dry time | 4.6 ± 0.7 N/mm ² (666 ± 100 psi) |
| ▪ Granite (unpolished) to plywood, 1 kg pressure for 24 hours, 7 day dry time | 6.3 ± 1.4 N/mm ² (917 ± 203 psi) |
| ▪ Glass to pine, 1 kg pressure for 24 hours, 7 day dry time | 16.9 ± 5.2 N/mm ² (2454 ± 749 psi) |
| ▪ Maple to aluminum (sandblasted), 7 day dry time | 19.1 ± 2.7 N/mm ² (2772 ± 394 psi) |
| ▪ Pine to plastic laminate (back), 7 day dry time | 5.9 ± 0.7 N/mm ² (857 ± 108 psi) |