

Loctite® Express Wood Glue



DESCRIPTION:

Loctite® Express Wood Glue is a ready-to-use, multi-purpose, high tack, polyvinyl acetate woodworking glue (“aliphatic resin” glue). It offers a tough, high strength, humidity resistant bond that dries in only 10 minutes. The fast drying makes it ideal for complex, multi-piece wood assemblies. This makes it work great for projects like cabinet making, carpentry work, furniture and general wood gluing projects. Once cured the adhesive is a translucent yellow color that is Sandable, paintable, and contains no urea formaldehyde.

Available As:

Item #	Package	Size	Color
2576067	Plastic bottle	4 fl. oz. (118.29 mL)	Yellow

FEATURES & BENEFITS:

- Dries in 10 minutes, quick drying wood glue
- High bond strength, up to 3500 psi
- Dries translucent yellow
- Sandable for easy removal once cured
- Paintable and unaffected by finishes

RECOMMENDED FOR:

An interior wood glue for making tight fitting joints required in quality cabinet making, carpentry work, furniture and general wood gluing. Bonds porous substrates such as wood, wood compositions, veneer, cardboard, leather and cork.

LIMITATIONS:

- Joints that require gap filling
- Bonding two 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

COVERAGE

14 fl. oz. (118.29 mL):

Approximately 1.24 ft²/fl. oz. (.0038 m²/mL) per surface @ 0.010 inches (10 mils) wet.

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
Color:	Milky Yellow	Application Temperature:	Use above 37°F (3°C)
Appearance:	Free flowing liquid	Odor:	Sweet
Base:	Polyvinyl acetate	Open Time:	8 minutes maximum at 68°F (20°C)
Solvent:	Water	Clamping Time:	10 minutes
Specific Gravity:	1.10	Dry Time:	12 - 24 hours @ 25°C (78°F) and 50% RH. Strength continues to develop for 7 days. Cold and damp conditions will lengthen dry time.
Viscosity:	8,000 – 15,000 cps (@ 20 rpm, 23°C)	Clean Up:	Uncured glue: damp cloth and warm water Use soap and water on any tools or hands before glue is fully cured.
pH:	5.5 - 7.5		
VOC Content:	0.13% by weight (20g/l calculated)		
Shelf Life:	18 months from date of manufacture (Unopened)		

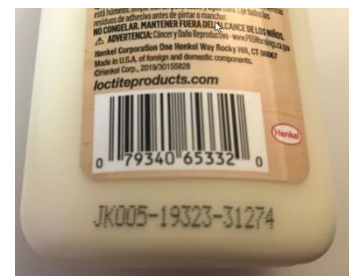
Lot Code Explanation: LLNNN – YYDDD – NNNN

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

Example: JK005-19323-31274 (Lot code stamped on bottle)

Discard JK005 and 31271 and use only 19323

For Example: 19323 = 323rd day of 2019 = November 19, 2019



Typical Cured Performance Properties

Color:	Translucent pale yellow
Cured Form:	Hard, non-flexible
Paintable:	Yes
Sandable:	Yes, once fully dried
Water Resistant:	Resistant to effects of water for a limited time. Complies with DIN EN 204, groups D1 and D2

Compression Shear Strength (ASTM D 905):

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

DIRECTIONS

Tools Typically Required:

Wood clamps, damp cloth or rag and sandpaper.

Safety Precautions:

Wash hands after use.

DIRECTIONS

Preparation:

Apply and cure glued materials when working environment and glue are at a working temperature above 37°F (2.8°C). 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 glue 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 Loctite Express Wood Glue evenly on both surfaces. Open time should be limited to 5 minutes. Join and clamp under moderate pressure, 50 to 150 psi (345 to 1034 kPa), until close fitting (i.e. no gap). 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. Allow a minimum clamping time of 10 minutes. For oily woods, allow extra clamping and drying time. 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. Remove dried glue from surfaces by sanding or machining 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 and warm water. Wash hands immediately with soap and warm water. Cured glue may be removed by sanding or cutting with a sharp-edged. Rubbing with hot soapy water or steaming can also aid removal. Paint strippers will also remove dried glue.

STORAGE & DISPOSAL

KEEP FROM FREEZING: To maximize shelf life, store in original closed container in a cool, dry place at a storage temperature above 40°F (5°C) and below 90°F (32°C). 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.



WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

Refer to the Safety Data Sheet (SDS) 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. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. 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.

LIMITED WARRANTY

This product is warranted to be free from defects in materials when used as directed. Henkel's sole obligation shall be, at its option, to replace or refund the purchase price of product proven to be defective. Henkel makes no other warranty, express or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE and will not be liable for consequential or incidental damages. This limited warranty gives you specific legal rights, which vary from state to state. Henkel may be contacted at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET for warranty assistance.

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