



TECHNICAL DATA SHEET



Henkel Corporation
Professional and Consumer Adhesives
Rocky Hills, CT 06067
Phone 1-800-624-7767
Fax (440) 250-7863
www.henkel.com www.loctiteproducts.com



Item #	Package	Size
1361024	Carded Tube	20 g

DESCRIPTION:

Loctite® Wood Bonder 3 Minute is a one-component, solvent-free, quick-setting, moisture-curing, polyurethane adhesive that cures in only 3 minutes! Loctite® Wood Bonder 3 Minute forms a strong waterproof bond that is ideal for indoor or outdoor applications.

RECOMMENDED FOR:

Will bond one porous surface to a combination of the following:

- Wood, metal, foam, concrete, some plastics, leather, marble, glass, cork, fiberboard & particleboard, plasterboard, plaster & drywall, brick & masonry and much more

NOT RECOMMENDED FOR:

- Polyethylene (PE), polypropylene (PP), PTFE (Teflon®), PVC or similar plastics (Test all materials before use for suitability)
- Applications requiring continuous water immersion
- Bonding two non-porous surfaces (at least one must be porous)
- Bonding extremely dry wood (< 8% moisture content). Ideally, wood should contain a moisture content between 8% and 15%. Dampen wood with less than 8% moisture content.

FEATURES & BENEFITS:

Feature	Benefits
Fast curing.....	Cures in only 3 minutes! Allows fast completion of project!
Waterproof.....	Can be used outdoors, excellent for above the water line marine applications
Low odour.....	Ideal for indoor use
Sandable and paintable.....	Blends with surroundings
High bond strength.....	Highly durable, one-time application

COVERAGE:

Approximately 150 g/m² (depending on absorbency of substrate)

DIRECTIONS:

Tools Typically Required:

Utility knife.

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:

Use between 41°F (5°C) and 100°F (38°C). 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. Screw nozzle/cap assembly onto tube to break inner seal. Unscrew cap.

Application:

Apply adhesive sparingly and evenly to one of the surfaces to be bonded. Immediately clamp objects together for 3 minutes. Adhesive expands during curing process. Clamp time may need to be extended in cases of low humidity. Replace cap securely onto tube immediately after use. Be careful not to allow Loctite® Sumo™ Glue for Wood to cure on a finished surface. Once the adhesive is cured it must be removed mechanically. Allow adhesive to cure completely before coating. If staining surfaces, sand off any remaining adhesive. For exterior applications, apply a finish coating (i.e. varnish) to joint to protect from the elements.

Clean-up

Uncured adhesive residue should be removed immediately using mineral spirits. Once adhesive is cured, it must be removed mechanically.

STORAGE AND DISPOSAL

NOT DAMAGED BY FREEZING. For optimal shelf life, store product in sealed container between 40°F (4°C) and 100°F (38°C). Keep it away from heat sources such as direct sunlight. Use an approved hazardous waste facility for disposal.

LABEL PRECAUTIONS

WARNING! Contains: 4,4'-methylenediphenyl diisocyanate. Avoid breathing vapors. Avoid contact with skin & eyes. Prolonged or repeated exposure may cause dermal or respiratory sensitization. Gloves recommended. **FIRST AID:** If swallowed, do not induce vomiting; call a physician immediately. For eye contact, flush with water for 15 minutes and call a physician. For skin contact, wash thoroughly with soap and water. If inhaled, move to fresh air. Get medical attention if irritation develops or persists. **DO NOT TAKE INTERNALLY.**
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>Color:</u>	Amber	<u>Application Temperature:</u>	Between 5°C (41°F) and 40°C (104°F)
<u>Appearance:</u>	Liquid	<u>Working Time:</u>	< 1 minute
<u>Base:</u>	Polyurethane	<u>Clamp Time:</u>	3 minutes
<u>Viscosity:</u>	4,000 cps	<u>Final Cure Time:</u>	< 1 hour Final cure time is dependent upon temperature, humidity and amount of adhesive used.
<u>Specific Gravity:</u>	1.1 (9.2 lbs/gal)		
<u>Odor:</u>	Minimal		

Typical Cured Performance Properties:

Color: Amber
Cured form: Non-flammable solid
Water Resistance: Yes
Service Temperature: Up to 100°F (38°C)

Tensile Strength:
(after 3 minutes)

Substrate to wood	Tensile Strength (N/mm²)	Tensile Strength (psi)
Aluminum	5.48	795
Zinc	5.56	806
Steel	9.02	1308
Copper	5.93	860
Brass	4.61	669
ABS	6.75	979
Polyacrylate	7.07	1025
Polycarbonate	7.88	1143
Poly Methyl Methacrylate	6.75	979
Polystyrene	5.71	828
Melamine	8.24	1195
GRP	8.59	1246
Granite	1.7	247
Sandstone	1.29	187
Brick	1.46	212