



LUMBER LOCK

HEAVY DUTY SUBFLOOR ADHESIVE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Miracle® Lumber Lock is a heavy-duty adhesive, which provides a durable weatherproof and permanent bond that is stronger than the lumber it locks together. **Lumber Lock®** conforms to HUD UM 60A and exceeds performance requirements of ASTM D3498 for Field-Gluing Plywood to Wood Framing. **Lumber Lock®** provides quick tack and a permanently flexible bond when applied to wet, frozen and chemically pressure-treated or untreated lumber, and many other substrates.

BENEFITS:

- Easy to gun when it's cold
- Won't drool when it's hot
- Remains flexible to reduce squeaks and bounces
- Bonds to wet, frozen, and treated lumber
- Stronger than the LUMBER it LOCKS together
- Greater Structural Floor Systems Strength
- Resists Impact and Deflection
- All-Weather Versatility
- Passes ASTM D3498 and AFG01

TYPICAL USES:

LUMBER LOCK is most recognized as a subfloor adhesive, but is extremely versatile and can be used in a variety of wood construction projects, including:

- Stairs, Stair Treads, Risers and Stringers
- Underlayment to Joists
- Tongue & Groove Boards
- Paneling
- Sheet & Lap Siding to Studs
- Porches & Patios
- Decks & Docks
- Fences & Ramps

TYPICAL PROPERTIES:

Property	Typical Value
Base:	Synthetic Polymer
Solvent:	Organic Solvent
Shelf Life:	1 year from Date of Manufacture*
Colors:	Tan
Flash Point:	-9.4°F (-23°C)
Weight/ Gallon	8.86 lbs/ gallon
VOC Content	420.5 g/L (EPA Method 24)
Viscosity	275,000 – 312,500 cps
Open Time	15 minutes
Dry Time	48 – 72 hours
Application Temp.	-0°F (-18°C) to 120°F (49°C)
Service Temp.	-30°F (-34°C) to 175°F (79°C)
Solids	62.2% ± 3.0%
Coverage	38 linear feet using 3/8" bead
Formaldehyde	No urea formaldehyde added during adhesive manufacturing

* The shelf life for an unopened container of this adhesive stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 1 year from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall

DIRECTIONS FOR USE:

- Use only after careful consideration of the warnings, directions, and first aid instructions given. Do not thin.

SURFACE PREPARATION

- Precut lumber to size.
- Prepare all other installation materials before applying adhesive.
- For best results, remove free standing ice, snow, water, mud, sawdust and other foreign material which will impair adhesion.

ITW POLYMERS SEALANTS NORTH AMERICA, INC.

111 S. Nursery Road. Irving, TX 75060
Tel: 972-438-9111 Fax: 972-554-3939 www.itwsealants.com

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APPLICATION

- Cut nozzle tip on a slant to provide a 3/8" bead and puncture the inner seal at the base of the spout.
- Apply a continuous bead of adhesive to one surface to be bonded. Where panel ends butt on a joist, apply a zig-zag bead of adhesive under each panel. Spread into groove of panels.
- For subfloor, deck and dock applications, allow 1/8" spacing for expansion at ends and edges of panels, and fasten plywood at all supports with galvanized finishing nails.
- Press surfaces firmly together with slight twisting motion. Bonding should be made within 15 minutes of adhesive application.
- Allow 24 – 48 hours before submitting application to heavy traffic.
- Maximum bond strength will be achieved in approximately 28 days.
- Do not use on rigid plastics, polystyrene foam or tub kits.

ATTENTION:

- Empty container remains hazardous until all flammable vapors, which may explode upon ignition, are gone from residue and container. Observe all labeled hazard precautions. Do not cut, puncture, or weld while hazard exists.
- Do not reuse empty container. Dispose of, according to all federal, state, and local regulations.

NOTICE TO PURCHASER:

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Complete technical information is available from
ITW Polymers Sealants North America, Inc.

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