

Architectural Coatings

Liquid Nails Flex 5x Interior/Exterior Construction Adhesive

GENERAL DESCRIPTION

Liquid Nails Flex 5x construction adhesive, LN-1000, offers unparalleled flexibility, with five times more flexibility than leading polyurethane adhesives. With Flex-Adhesion Technology, this product accommodates substrate movement over time while maintaining a secure bond, ensuring long-term durability. Engineered for professional-grade strength and exceptional water resistance, it ensures reliable bonding across various materials, making it ideal for most construction projects. Certified by UL Environment to meet the GREENGUARD GOLD Standard as a low emitting material.

RECOMMENDED SUBSTRATES

Bonds To: Wood, Metal, Glass, Most Plastics, Subfloor, Ceramic, Marble, Foamboard, Landscape Block, Granite, Rubber, Tile, Fiberglass, Tub & Shower, Decks, Drywall, Trim/Molding, Paneling, Laminate, Stone, Flooring, Masonry, Brick, Aluminum, Concrete, Porcelain, PVC, Plaster, and more

FEATURES / BENEFITS

- 5X More Flexible than Leading Polyurethane Adhesives
- Professional Strength
- No Shrinkage or Swelling
- Excellent Water-Resistance
- Durable Bond to a Wide Range of Materials

CONFORMANCE STANDARDS

Compliant with all US VOC regulations as of 04/2024



PRODUCT INFORMATION / PACKAGING

LN-1000 10.0 FL OZ (295 mL) Tube (12 Tubes/Carton)

PRODUCT DATA

- BASE:** Hybrid
 - COLOR:** Tan
 - APPEARANCE:** Smooth paste
 - APPLICATION TEMPERATURE:** 35°F to 140°F (2°C to 60°C)
 - SERVICE TEMPERATURE:** -40°F to 180°F (-40°C to 82°C)
 - SAG (ASTM D2202):** < 0.10"
 - SHEAR STRENGTH:** 24 hours – 400psi (on pine, full strength)
 - ELONGATION (ASTM D412, Type D):** > 60%
 - WEIGHT PER GALLON:** 13.1 lbs. (5.94 kg)
 - VISCOSITY:** 1,500,000 cps
 - OPEN TIME:** 30 minutes at room temperature
 - MINIMUM CURE TIME:** 24 hours at room temperature
 - FREEZE/THAW STABILITY:** No effect after 5 cycles
 - FLAMMABILITY:** Non-flammable
 - PERCENT VOLATILE:** < 3%
 - COVERAGE:** Approximately 30 linear ft. (9 linear meters) using a ¼" (6 mm) bead.
 - SHELF LIFE:** One year from date of purchase
 - ODOR:** Slight
 - SPECIFICATIONS:** Exceeds ASTM C557 and ASTM D3498
 - MAX VOC:** < 7% by weight
- LIMITATIONS OF USE**
- Not recommended for polyethylene, polypropylene, Teflon, EPDM, or TPO.
- FREEZE/THAW STABLE. Store product at 40°F (4°C) to 100°F (38°C).

GENERAL SURFACE PREPARATION/APPLICATION

WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted, NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

DIRECTIONS:

- (1) Make sure surfaces are clean and free of loose particles.
-If desired, surfaces that are very smooth may be lightly sanded for better adhesion.
-For faster set time on dry surfaces, wipe surfaces lightly with a damp cloth prior to applying adhesive.
- (2) Cut cartridge tip to desired bead size, puncture foil seal inside the tip of the cartridge, and place cartridge into caulk gun.
- (3) Apply bead of adhesive to one surface. Press surfaces together within 10 minutes.
- (4) Clamp, tape, or brace parts together until adhesive has set, as necessary.

CLEANUP: Dry cloth when wet, scraping and mineral spirits when dry.

DISPOSAL: Contact your local environmental regulatory agency for guidance on disposal of unused product.

PERMISSIBLE TEMPERATURES DURING APPLICATION:

Material:	40 to 100°F	4 to 38°C
Ambient:	35 to 140°F	2°C to 60°C
Substrate:	35 to 140°F	2°C to 60°C

PRECAUTIONS

WARNING! HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. Sanding and grinding dusts may be harmful if inhaled. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces. Trimethoxysilanes are capable of forming methanol if hydrolyzed or ingested. If swallowed, methanol may be harmful or fatal or cause blindness. The product may not be stable under certain conditions of storage or use: high temperature/pressure hazard. Do not breathe dust. Do not swallow. Do not get on skin or clothing. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling. Provide fresh air ventilation during and after application and drying. Avoid the inhalation of dust or particulates arising from the application of this preparation. Use personal protective equipment as required. **Prior to use, read and follow product-specific SDS and label information. FIRST AID:** If swallowed, rinse mouth with water (only if the person is conscious). Call physician immediately. Do not induce vomiting unless directed to do so by medical personnel. If in eyes, rinse with water for 15 minutes. Check for and remove any contact lenses. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation develops. If inhaled, remove to fresh air. Call physician immediately. Keep out of the reach of children. For workplace use, an SDS is available from your retailer or by calling (412) 492-5555. EMERGENCY SPILL INFORMATION: (412) 434-4515 (U.S.).

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