

LN-933

Interior & Exterior

## ***A polyurethane construction adhesive for marble, granite, quartz and other solid surface materials***

### **PRODUCT DESCRIPTION**

LIQUID NAILS® Marble & Granite Adhesive, LN-933, is a polyurethane construction adhesive formulated for a wide range of temperatures and moisture conditions for a strong bond inside or out. Formulated for adhering marble, granite, quartz, solid surfaces and other similar materials to most common construction materials.

### **RECOMMENDED FOR**

bonding marble, granite, cultured and engineered stone to:

- Marble
- Engineered stone
- Granite
- Quartz
- Cultured stone
- Solid surface materials

### **NOT RECOMMENDED FOR**

- Flooring applications
- Underwater applications

### **PRODUCT ADVANTAGES**

- Will not stain
- Heat and water resistant
- Ideal for solid surfaces
- High strength bond
- Exceeds ASTM C-557 specifications
- VOC compliant everywhere



Please research all installation instructions and read entire label and Material Safety Data Sheet for safety, health & environmental information prior to use. See other cautions on last page.

### **SURFACE PREPARATION**

Surfaces must be clean, dry, structurally sound and free of loose paint or other materials.

1. Sand and roughen high-gloss paint
2. Cut nozzle at a 45° angle to a 1/4" bead size
3. Puncture inner seal with nail or wire

### **APPLYING THE PRODUCT**

**Countertops:** Apply a 1/4" continuous bead to contact areas. Press firmly into place.

**Backsplashes, baseboards and window sills:** Apply a zigzag 1/4" bead to each material to be bonded. Press materials firmly into place. Bracing is recommended for vertical applications; 12 hours.

**\*Solid surface materials i.e. Corian or Wilsonart:** Lightly sand areas where you will be applying the adhesive. Then apply a 1/4" bead around the perimeter of the surface to be joined. Press firmly into place. Bracing is recommended for vertical applications; 12 hours.

### **CLEAN UP**

Use mineral spirits for wet adhesive. Scrape off dry material.

### **DISPOSAL**

Contains organic solvents which may cause adverse effects to the environment if disposed of improperly. Place **empty** containers in normal refuse for disposal. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use or disposal of unused solvent-containing adhesives and/or sealants. EAD-C9

### **LIMITED WARRANTY**

PPG warrants satisfaction with this product when handled and applied according to label instructions. If product is not as warranted, PPG will, at your option, furnish replacement product or refund the purchase price. Please call 1-800-634-0015 for details. This limited warranty excludes labor or the cost of labor and is given as the exclusive warranty and remedy. **No warranty of merchantability, fitness for purpose or other warranty, express or implied, is made. PPG shall not be liable for any special, incidental or consequential damages.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions/limitations may not apply. This limited warranty gives specific legal rights; you may have other rights that vary by state.

**WARNING! COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. This product contains solvents.** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Keep away from heat, sparks and flame. **Do not smoke. Vapors may ignite.** Vapors may spread long distances. Extinguish all flames, burners, stoves, heaters and pilot lights and disconnect all electrical motors and appliances before use and **until all** vapors are gone. Do not breathe vapors. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Avoid contact with eyes and skin. Close container after use. **FIRST AID:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby oil, then wash again with soap and water. Repeat as needed. Remove contaminated clothing. For eye contact, flush **immediately** with plenty of water for at least 15 minutes. **Get medical attention.** If swallowed, **get medical attention immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical attention.** **For emergency information, customer service, MSDS or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.**

### **LN-933 TECHNICAL INFORMATION**

**Base:** Polyurethane

**Type:** Moisture cure

**Consistency:** Non-sag thick mastic

**Color:** Tan

**Application Temperature:** 40–100° F  
(5–38° C)

**Service Temperature:** -40–300° F  
(-40–149° C)

**Adhesion:** Good to wood, concrete,  
marble, granite,  
aluminum, rubber

**Sag (ASTM D 2202):** Less than 0.15"

**Shear Strength:** 24 hours – >175 psi  
48 hours – >250 psi

**Skin Time (73°F/50% Rel. Hum.):** 35 min.

**Tack-Free Time (73°F/50% Rel. Hum.):**  
60 min.

**Minimum Cure Time:**

(1/4" bead, 50% Rel. Hum.) <12 hr.

**Weight Per Gallon:** 14.8 pounds (1.77 kg/l)

**Specific Gravity:** 1.78

**Viscosity:** 200,000 centipoise

**Volatiles:** 7%

**Solids:** 93%

**Flash Point:** 135°F (57°C)

**Hardness (Shore A Durometer):** >60

**Shelf Life:** 12 months

**Staining:** No staining on typical construction materials, including marble and granite

**Durability:** Excellent. Will not embrittle, crack, or lose flexibility with exposure to heat

**Water Resistance:** Waterproof. Not recommended for water immersion applications

**Odor:** Mild hydrocarbon odor during application. Odor dissipates within 4-6 hours.

**Flammability:** Non-flammable when cured.

**Coverage:** 30 lineal feet (10 lineal meters) for 1/4" (6 mm) bead from 10.1 oz. (299 ml) cartridge

**Specifications:** ASTM C-557

**VOC:** < 7% by wt. (115 g/L)