

# **LIQUID NAILS<sup>®</sup>**

**PRODUCT FACT SHEETS**

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# **CONSTRUCTION ADHESIVES**



**CB-10**

**Interior**

***A water-resistant, latex-based construction adhesive with quick initial grab formulated to bond vinyl or rubber cove base and stair treads.***

**PRODUCT DESCRIPTION**

LIQUID NAILS<sup>®</sup> Cove Base & Stair Tread Adhesive, CB-10, is a water-resistant, latex-based construction adhesive. It offers quick initial grab without bracing. CB-10 is designed specifically to bond vinyl or rubber cove base and stair treads.

**RECOMMENDED FOR** bonding vinyl or rubber cove base and stair treads to:

- Drywall
- Plaster
- Paneling
- Wood
- Concrete and other common interior surfaces

**NOT RECOMMENDED FOR**

CB-10 is not recommended for uses other than cove base and stair tread installations, bonding to non-porous surfaces such as ceramics, metals, laminates, etc.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

**PRODUCT ADVANTAGES**

- Quick initial grab
- No bracing required
- Water-resistant
- Easy water clean-up
- Bonds cove base and stair treads
- Interior
- 100% Satisfaction Guaranteed



### Interior

#### **SURFACE PREPARATION**

Lay cove base strip flat for at least 24 hours prior to installation. Condition cove base and CB-10 adhesive to room temperature for 24 hours prior to installation. Do not apply at temperatures below 60°F. Surfaces must be clean and dry. One surface must be porous. Cut and pre-fit materials prior to installation.

#### **APPLYING THE PRODUCT**

**Cove base:** Apply two zigzag 1/4" adhesive beads to back of cove base, enough to cover 50% when applied, then press or roll firmly into place. Bonding to irregular or curved surfaces may require bracing until adhesive is set. Do not stretch cove base.

**Stair treads:** Apply 1/4" beads to the back of stair treads 4" apart. Be sure 60% of tread is covered with adhesive. Press tread into place.

#### **CLEAN-UP**

Use water for wet adhesive. Use mineral spirits or adhesive remover for dry adhesive.

#### **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**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

#### **CB-10**

#### **TECHNICAL INFORMATION**

**Base:** Synthetic rubber latex

**Type:** Resin rubber emulsion

**Color:** Tan

**Appearance:** Smooth

**Application Temperature:** 60° to 100° F  
(16° to 38° C)

**Service Temperature:** -20 to 140° F  
(-29° to 60° C)

**Adhesion:** Good to vinyl and rubber

**Consistency:** Smooth and buttery

**Bridging Ability:** Good

**Shear Strength:** 24 hours – 100 psi

48 hours – 130 psi

7 days – 160 psi

**Trowelability:** Good

**Durability:** Good

**Elongation:** Good

**Flexibility:** Good

**Sag:** None

**Water Resistance:** Good

**Freeze-Thaw Stable:** Yes, minimum of 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Mild

**Working Time:** Up to 15 minutes

**Drying Time:** 30-40 minutes

**Weight Per Gallon:** 11.41 pounds (1.37 kg/l)

**Viscosity:** 550,000 CPS

**Volatiles:** 38%

**Solids:** 62%

**Flash Point:** Greater than 205°F (96°C)

**Coverage:** Cartridge covers 16 lineal ft. of 4" cove base using two 1/4" beads.

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 10 GPL

#### **WARNING! HARMFUL OR FATAL IF SWALLOWED. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin.

**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 discomfort, remove to fresh air. If discomfort persists or breathing difficulty occurs, **get medical attention.** **For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.** MDS22-0705

**LIQUID  
NAILS®**  
ADHESIVE

# DRYWALL

## CONSTRUCTION ADHESIVE

**DWP-24**

**Interior**

***A specially formulated adhesive  
for interior drywall construction.***

### **PRODUCT DESCRIPTION**

LIQUID NAILS® Drywall Adhesive, DWP-24, is a specially formulated construction adhesive for interior drywall installation and correcting minor framing irregularities. Acts fast, bonds strong and buffers sound. Exceeds ASTM specification C-557.

### **RECOMMENDED FOR** bonding drywall to:

- Galvanized steel
- Studding
- Ceiling systems
- Rafters
- Wood
- Foam
- Drywall
- Expanded Insulation Panels

### **NOT RECOMMENDED FOR**

- Uses other than drywall installations
- Exterior wall construction
- Ceiling panels, ceiling tiles and acoustical panels

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### **PRODUCT ADVANTAGES**

- Reduces fastener use up to 50%
- Minimizes nail pops
- Fast grab adhesive
- Speeds up drywall installation
- Buffers sound
- Moisture-proof
- Interior
- Exceeds ASTM C-557
- 100% Satisfaction Guaranteed



### **SURFACE PREPARATION**

Surface must be clean, dry and structurally sound.

### **APPLYING THE PRODUCT**

Cut and prefit materials prior to installation. Cut nozzle to desired bead size marked on nozzle. Puncture inner seal with nail or wire. **Important:** For best results, set drywall onto adhesive within 15 minutes of application.

**Walls:** Apply a 1/4" adhesive bead directly onto studs and plates. Press drywall firmly against adhesive; adjust as necessary. Holding drywall's outer edges, nail every 16" and, as necessary, inside the field. **Note:** If studding is perfectly true, nailing inside field will not be required.

**Ceilings:** Apply a 1/4" adhesive bead to rafters. Fasten drywall's outer edges with nails, 12" on center. Fasten center of field with a nail at each rafter. Drywall larger than 4' x 8' should be fastened with 2 nails in the field of each rafter.

### **CLEAN-UP**

Use water for wet 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**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

### **WARNING!**

**CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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 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.** MDS19-0705

### **DWP-24**

### **TECHNICAL INFORMATION**

**Base:** Latex emulsion

**Color:** Off-white

**Appearance:** Smooth gunnable paste

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

**Service Temperature:** up to 120°F (49°C)

**Adhesion:** Excellent to most common building materials

**Consistency:** Good

**Bridging Ability:** Good; bridges gaps to 1/4" (.64cm)

**Extrudability:** Good

Shear Strength: 24 hours – 300 psi

48 hours – 350 psi

28 days – 400 psi

**R.T. Static Load in Shear:**

10 lbs. No failure in 72 hours.

**Tensile Strength:**

24 hours – 60 psi avg.

7 days – 75 psi avg.

**Durability:** Resistant to oxidation, 20 year life

**Flexibility:** Good

**Water Resistance:** Good

**Agging:** Good

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Mild Acrylic

**Working Time:** 30 minutes

**Weight Per Gallon:** 12.08 pounds (1.45 kg/l)

**Viscosity:** 260,000 CPS

**Volatiles:** 38%

**Solids:** 62%

**Flammability:** Nonflammable

**Flash Point:** Exceeds 200°F (93°C)

**Coverage:** 88 lineal feet

**Shelf Life:** 12 months from date of purchase

**VOC:** 32 g/L

LN-907

Exterior & Interior

**A premium construction adhesive offering a strong instant hold.**



### PRODUCT DESCRIPTION

LIQUID NAILS® Extreme Heavy Duty Construction Adhesive (LN-907) is an interior/exterior grade, low solvent, high strength construction adhesive designed to provide outstanding adhesion and durability in bonded assemblies.

**RECOMMENDED FOR:** Extreme Heavy Duty Construction Adhesive can be used on a wide range of construction materials, including:

- Plywood
- Waferboard
- Cementboard
- Particleboard
- Treated Lumber
- Drywall
- Brick Veneers (Interior Only)
- Imitation Stone (Interior Only)
- Tileboard
- Foamboard
- Ceiling Tiles
- 1/8" MDF Paneling

*Subflooring. Extreme Heavy Duty Adhesive meets the requirements of the APA AFG-01 specification for subfloor installation.*

### NOT RECOMMENDED FOR:

- plastics
- vinyl
- ceramics
- mirrors
- granite
- marble
- installing tileboard directly to studding, and wood or laminate flooring.





### DIRECTIONS

Surfaces must be clean, dry and structurally sound. Paneling must be conditioned per manufacturers instructions. Research all installation instructions and read label for safety, health, and environmental information. Place in caulk gun, cut nozzle, and puncture inner seal with nail or wire. Cabinets and Countertops: Apply ¼" bead to contact areas. Press into place. Mechanical fasteners must also be used for wall cabinets.

**Furring Strips or Studs:** Apply ¼" zigzag bead to each strip or stud. Press into place. Use nails at top and bottom. **Drywall:** Apply ¼" zigzag bead to each stud. Press drywall into place. Position panels so that edges meet at stud center. Nail as required. **Subfloors:** Apply ¼" bead to joists. Press subflooring into place and nail or screw every six inches around panel perimeter and every 12" into joists in field of the panel.

### CLEAN-UP

Use water for wet adhesive. Use mineral spirits or an adhesive remover for dry adhesive.

### DISPOSAL

Place **empty** containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants.

### LIMITED WARRANTY

PPG warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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 of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING! CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. POTENTIAL CANCER HAZARD. CONTAINS FORMALDEHYDE WHICH HAS BEEN SHOWN TO CAUSE UPPER RESPIRATORY TRACT CANCER AND ALLERGIC RESPIRATORY REACTION. MAY CAUSE ALLERGIC SKIN REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.** Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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.** MDS60-1106

### LN-907

### TECHNICAL INFORMATION

**Base:** Latex

**Type:** Waterborne

**Color:** White

**Appearance:** Smooth

**Application Temperature:** 22° to 120° F  
(-6° to 49° C)

**Service Temperature:** -20° to 140° F  
(-29° to 60° C)

**Adhesion:** Excellent to most common building substrates

**Extrudability:** Applies easily to temperatures down to 22° F (-6° C)

**Consistency:** Short, non sag

**Bridging:** Excellent, bridges gaps up to 3/8" (1 cm)

**Shear Strength:**

24 hours – 350 psi

48 hours – 450 psi

7 days – 500 psi

**Durability:** Excellent; estimated to exceed 40 years

**Flexibility:** Good

**Sag:** Non sag in normal use

**Water Resistance:** Very good

**Freeze-Thaw-Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Very mild latex

**Drying Time:** Completely dry in two weeks

**Paintability:** Paintable with oil or latex

**Weight Per Gallon:** 10.99 pounds (1.32 kg/l)

**Viscosity:** 200,000 CPS

**Volatiles:** 41%

**Solids:** 59%

**Flammability:** Nonflammable

**Flash Point:** >205° F (96° C)

**Coverage:**

10 oz. (296 ml) 30 lineal ft. using 1/4" bead;

28 oz. (828 ml) 85 lineal ft. using 1/4" bead

**Shelf Life:** 12 months from date of purchase

**Specifications:** Passes APA AFG-01 and ASTM C-557

**Max VOC:** 18 g/L

PPG Architectural Coatings  
One PPG Place  
Pittsburgh, PA 15272

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

**LIQUID  
NAILS®**  
ADHESIVE

# HEAVY DUTY

## CONSTRUCTION ADHESIVE

**LN-901/LNP-901**

**Interior & Exterior**

***A premium, versatile adhesive that creates a strong bond that will outlast your project.***

**100%  
SATISFACTION  
GUARANTEED!**

### **PRODUCT DESCRIPTION**

LIQUID NAILS® Heavy Duty Construction Adhesive, LN-901/LNP-901, bridges gaps, provides 10 minutes working time and produces a durable, flexible, and impact-resistant bond on the heaviest materials. With antioxidants added for superior all-weather performance.

**RECOMMENDED FOR** bonding common building materials (concrete, lumber, etc.) to:

- Plywood and waferboard\*
- Treated lumber
- Drywall
- Brick veneers
- Tileboard
- Exterior foamboard  
(when applied below 90°F)

\*See installation instructions or [www.liquidnails.com](http://www.liquidnails.com)

**NOT RECOMMENDED FOR** flooring applications, ceramics, mirrors, granite, marble (real or cultured), plastic, vinyl, ceiling tile, subfloors/underlayment, or 1/8" medium density fiberboard paneling.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### **PRODUCT ADVANTAGES**

- Strong bond will outlast project
- Bonds a wide range of construction materials
- 100% Satisfaction Guaranteed
- Exceptional holding power
- Waterproof & Weatherproof
- Interior & Exterior
- Strong, Durable and Flexible
- Exceeds ASTM C-557

**DANGER! EXTREMELY FLAMMABLE. HARMFUL OR FATAL IF SWALLOWED. VAPORS MAY CAUSE FLASH FIRE.**

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF3-1100



**DIRECTIONS:**

Preparation: Surfaces must be clean, dry and structurally sound.

1. Cut nozzle at a 45° angle to desired size.
2. Puncture inner seal with nail or wire.

**Cabinets and counter tops:** Apply a 1/4" bead to contact areas on the back of cabinets or counter tops. Press firmly into place. Mechanical fasteners must also be used for installing wall cabinets.

**Materials to furring strips or studs:** Apply zigzag 1/4" bead to each strip or stud to be covered by panel. Position panel so edges meet at stud center; only severely warped materials require finishing nails at top and bottom.

**CLEAN-UP**

Use mineral spirits or an adhesive remover.

**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**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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. Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**DANGER! EXTREMELY FLAMMABLE.**

**CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES RESPIRATORY TRACT IRRITATION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**NOTICE:** 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 explosively.** 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.** MDS63-1006

**LN-901/LNP-901**  
**TECHNICAL INFORMATION**

**Base:** Synthetic rubber & resin

**Type:** Solvent

**Color:** Tan

**Appearance:** Smooth

**Application Temperature:**

40° to 100° F (5° to 38° C)

**Service Temperature:**

-20° to 140° F (-29° to 60° C)

**Adhesion:** Excellent

**Consistency:** Short buttery

**Bridging Ability:** Excellent

**Extrudability:** Easy

**Shear Strength:**

24 hours – 225 psi

48 hours – 300 psi

7 days – >425 psi

**Durability:** Excellent; 20 year life

**Flexibility:** Excellent

**Water Resistance:** Excellent

**Exterior Weathering:** Very good;

adhesive not recommended

for direct exposure to sunlight

**Staining:** May stain marble

**Odor:** Mild solvent

**Working Time:** 10 minutes

**Weight Per Gallon:** 9.4 pounds (1.12 kg/l)

**Viscosity:** 230,000 CPS

**Volatiles:** 35%

**Solids:** 65%

**Flammability:** Extremely flammable;

nonflammable when dry

**Flash Point:** 1°F (-17°C)

**Coverage:**

30 lineal ft. using 1/4" bead for 10 fl.oz.;

85 lineal ft. using 1/4" bead for 28 fl.oz.

**Shelf Life:** 12 months from date of purchase

**Specifications:** Exceeds ASTM C-557

**MAX VOC:** 401 GPL



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[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

**LN-905**

**Exterior**

***Prevents shifting and loosening of blocks, stones and timber due to seasonal changes.***

**PRODUCT DESCRIPTION**

LIQUID NAILS® Landscape Block & Stone Adhesive, LN-905, is a weatherproof construction adhesive to prevent shifting and loosening of blocks, stones and timbers due to seasonal changes. Bonds together all stone, block and timber into one super-strong structure. Also ideal for repairs to loose stone, brick or block.

**RECOMMENDED FOR** bonding brick, concrete, stone and timber in retaining walls and landscaping applications.

- Garden Walls / Retaining Walls
- Capstones
- Planters
- Walkways
- Steps

**NOT RECOMMENDED FOR** water immersion applications.

**Note:** When creating structures higher than 3 feet in height, consult block manufacturer for specific construction instructions.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

**PRODUCT ADVANTAGES**

- Builds stronger retaining walls and stonework
- Prevents walls from shifting
- Weatherproof bond
- Repairs brick and stone hazards
- Exterior
- 100% Satisfaction Guaranteed



### **SURFACE PREPARATION**

Surfaces should be clean at time of adhesive application.

### **APPLYING THE PRODUCT**

Insert cartridge into caulking gun. Cut the tip on the nozzle at a 45° angle for a desired bead size of 1/4" or 1/2". Puncture seal inside the nozzle where the nozzle meets the cartridge with a long nail or wire. Apply the adhesive to the block on which the next course or capstones will be glued.

The adhesive should be applied in a bead 1/2" from edge along the front and along the back of the block. Install the capstones or block within ten minutes after the adhesive has been applied.

**Note:** Do not allow traffic on stairs or use of walls for 16 hours after the adhesive application. Do not apply to wet surfaces.

### **CLEAN-UP**

Use water to remove wet adhesive. Dried adhesive may be scraped off surface. Residue may be removed by wiping with mineral spirits.

### **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**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING! HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. POTENTIAL CANCER HAZARD. CONTAINS FORMALDEHYDE WHICH HAS BEEN SHOWN TO CAUSE UPPER RESPIRATORY TRACT CANCER AND ALLERGIC RESPIRATORY REACTION. MAY CAUSE ALLERGIC SKIN REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE:** 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. **This product contains a chemical known to the state of California to cause cancer.** Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.**

MAC71-0108

### **LN-905**

### **TECHNICAL INFORMATION**

**Base:** Latex

**Type:** Waterborne

**Color:** White

**Appearance:** Smooth

**Application Temperature:**

40° to 100° F (4° to 38° C)

**Service Temperature:**

-20° to 140° F (-29° to 60° C)

**Adhesion:** Excellent to most common building substrates

**Extrudability:** Good to 32°F (0°C)

**Consistency:** Short, non sag

**Bridging:** Excellent,

Bridges gaps up to 3/8" (1 cm)

**Shear Strength:**

24 hours – 350 psi

48 hours – 450 psi

7 days – 500 psi

**Durability:** Excellent;

Estimated to exceed 40 years

**Flexibility:** Good

**Sag:** Non sag in normal use

**Water Resistance:** Very good

**Aging:** Excellent

**Freeze-Thaw-Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Very mild latex

**Drying Time:** Completely dry in two weeks

**Paintability:** Paintable with oil or latex

**Weight Per Gallon:** 11 pounds (4.99 kg)

**Viscosity:** 400,000 CPS

**Solids:** 60%

**Volatiles:** 40%

**Flammability:** Nonflammable

**Flash Point:** >205° F (96° C)

**Coverage:**

10 oz. (296 ml) 30 lineal ft. using 1/4" bead

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 20 g/L

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

LN-933

Interior & Exterior

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



### PRODUCT DESCRIPTION

LIQUID NAILS<sup>®</sup> Marble & Granite Adhesive, LN-933, is a polyurethane construction adhesive formulated for a wide range of temperatures and moisture conditions for a strong bond in any room in the house, or outside. 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
- Granite
- Cultured Stone
- Engineered Stone
- Quartz
- Solid Surface Materials

### NOT RECOMMENDED FOR

- Flooring applications
- Underwater applications

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### PRODUCT ADVANTAGES

- Will not stain
- Heat & Water resistant
- Ideal for solid surfaces
- High strength bond
- Interior & Exterior
- Exceeds ASTM C-557 specifications
- 100% Satisfaction Guaranteed
- VOC Compliant

**WARNING! COMBUSTIBLE.**  
HARMFUL OR FATAL IF SWALLOWED.

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF13-0404



**Interior & Exterior****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**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

Corian® is a registered trade mark of E.I. du Pont de Nemours And Company  
Wilsonart® are registered trademarks of Wilsonart International, Temple, TX

**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.**

**NOTICE:** 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.**

MDS58-0705

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

**Base:** Polyurethane

**Type:** Moisture cure

**Consistency:** Non-sag thick mastic

**Color:** Tan

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

**Service Temperature:** -40° to 300° F  
(-40° to 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.

**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

**Max VOC:** 115 GPL



15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

**LN-730**

**Interior**

***This flexible, permanently bonding construction adhesive will not damage reflective backing.***



**PRODUCT DESCRIPTION**

LIQUID NAILS® Mirror Adhesive (LN-730) is a high solids, moisture-curing adhesive designed for use in conjunction with mechanical fastening systems for the installation of mirrors to walls. The product adheres to most common construction materials and cures rapidly, reducing the time required for bracing or taping of mirrors and decreasing installation time. LN-730 is non-flammable and is nearly odorless, making this adhesive ideal for installations in occupied areas. This product meets all air quality regulations and also meets the requirements of the US Green Building council LEED and the National Association of Home Builders Residential Green Building programs.

**RECOMMENDED FOR** bonding mirrors to:

- Concrete
- Painted surfaces
- Drywall
- Wood
- Metal
- Plaster

**NOT RECOMMENDED FOR**

- Uses other than mirror installation
- Ceiling applications
- Wallpapered surfaces

**NOTE:** THIS PRODUCT REQUIRES THE USE OF A PERMANENT MECHANICAL FASTENING SYSTEM. DO NOT INSTALL MIRRORS WITHOUT A PERMANENT MECHANICAL FASTENING SYSTEM.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

**PRODUCT ADVANTAGES**

- Will not damage reflective backing
- Strong vertical hold
- Heat & steam resistant
- Permanent bond
- Stays flexible
- Interior
- 100% Satisfaction Guaranteed





**SURFACE PREPARATION**

Surfaces must be clean, dry, and structurally sound. Painted surfaces must be lightly sanded with coarse sandpaper.

**APPLYING THE PRODUCT**

Insert tube into caulking gun, cut nozzle and puncture inner seal. Apply adhesive in 3/8" diameter beads running the full length of the mirror. Beads should be 5 to 6 inches apart. Press mirror into place within 15 minutes and fasten with permanent support system. Tape or brace top of mirror to hold in place if necessary, depending on support system used. Adhesive will set in approximately 24 hours. Edges may be sealed immediately after application, if desired. Coverage: 7 square feet of mirror per cartridge.

**CLEAN-UP**

Clean up wet adhesive by wiping with paper towel, followed by wipe with towel and mineral spirits. Dried adhesive can be removed by scraping.

**DISPOSAL**

Place empty containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants.

EAD-C8

**LIMITED WARRANTY**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING! CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE ALLERGIC SKIN REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.** Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.**  
MAC139-1108

**LN-730****TECHNICAL INFORMATION****Base:** Silicone Pre-polymer**Type:** Moisture-curing**Color:** White**Application Temperature:**

-35° to 140° F (-37° to 60° C)

**Service Temperature:**

-80° to 350° F (-62° to 177° C)

**Adhesion:** Excellent to most

common substrates

**Shear Strength (in psi to wood):**

24 hours – 85 psi

48 hours – 106 psi

**Durability:** Excellent**Flexibility:** Excellent**Water Resistance:** Excellent**Accelerated Aging (Q-UV Weatherometer):**

No change in 500 hrs.

**Shore A Hardness:** 27**Cure Rate (24 hrs):** 3 mm**Freeze-Thaw Stable:** Stable through 5 cycles**Bleed:** None**Staining:** Do not use on marble or granite**Odor:** Mild**Skin Time:** 9 minutes**Tack Free Time:** 20 minutes**Open Time:** 10-15 minutes**Paintability:** Not paintable**Weight Per Gallon:** 8.6 pounds (3.2 kg)**Viscosity:** 290,000 CPS**Volatiles:** <5%**Solids:** >95%**Flammability:** Non-flammable**Flash Point:** Not applicable**Shelf Life:** 12 months from date of purchase**MAX VOC:** 46 g/L

**LN-609**

**Interior & Exterior**

***The fast, sure hold of this construction adhesive provides precision placement and less nailing. Ten minute working time and an impact-resistant bond.***



### **PRODUCT DESCRIPTION**

LIQUID NAILS® Panel & Foam Adhesive, LN-609, is specially designed for projects like paneling and molding where instant hold is needed. The fast, sure hold of this construction adhesive provides precision placement and less nailing. Ten minute working time and an impact-resistant bond.

### **RECOMMENDED FOR**

- Paneling
- Foamboard
- MDF Board and Paneling
- Wainscoting
- Corkboard
- Wood, Foam and Plastic Molding
- All types of Insulation Board

*Please note with plastic molding and trim, the second surface should be porous. Dry time may be extended.*

### **NOT RECOMMENDED FOR**

- Uses other than paneling, molding and foamboard
- Use between two non-porous surfaces
- EIFS Installation

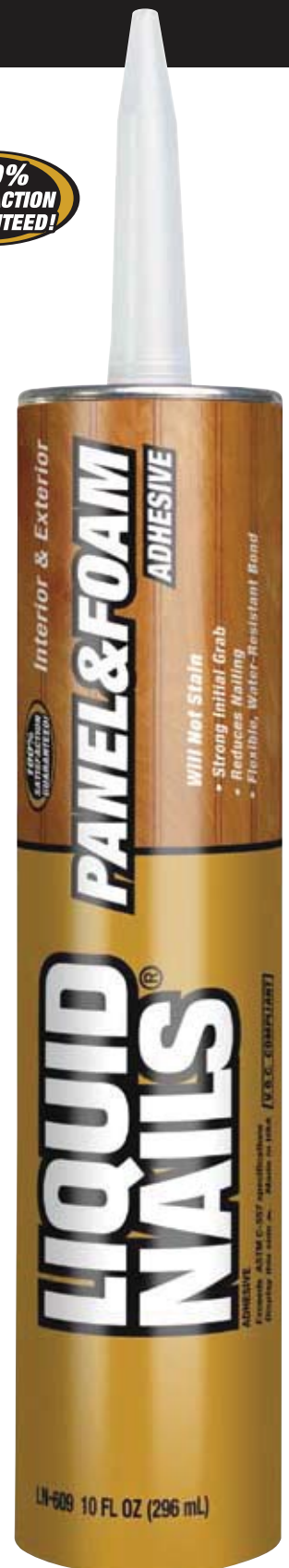
*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### **PRODUCT ADVANTAGES**

- Strong initial grab
- Flexible, water-resistant bond
- Impact-resistant
- 100% Satisfaction Guaranteed
- Reduces nailing
- 10 minute working time
- Interior & Exterior
- VOC Compliant

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF1-0292



### **SURFACE PREPARATION**

Make sure that all surfaces are clean, dry and structurally sound before product is applied.

### **APPLYING THE PRODUCT**

All panels must be separated and conditioned to room temperature for 48 hours prior to installation. Surfaces must be clean, dry and structurally sound. Cut and pre-fit materials prior to installation. Place Cartridge in gun, cut nozzle, and puncture inner seal with nail or wire. Apply a ¼" bead of adhesive around the perimeter of parts to be bonded. Adhere materials within 20 minutes of gunning adhesive. Warped materials may require bracing and/or nailing.

**Bonding paneling or foamboard to a flat surface:** Cut and prefit materials prior to installation. Make sure that all surfaces are clean, dry and structurally sound before product is applied. Insert tube into standard caulking gun. Cut nozzle at 45° angle to desired bead size marked on nozzle. Puncture inner seal with nail or wire. Apply 1/4" bead of adhesive approximately 1" from edge of panel around the perimeter. Apply two zigzag 1/4" beads in the middle of the panel. Press panel firmly into place. Lift off for 2-4 minutes, then press back into place. Material should not be applied to skinned adhesive. Due to panel inconsistencies, bracing and/or nailing may be needed in some instances.

**Bonding material to furring strips or studs:** Apply a zigzag 1/4" bead of adhesive to each strip or stud to be covered by material. Position materials so edges meet at stud center. Press firmly into place. Finishing nails required at top and bottom.

### **CLEAN-UP**

Use water for wet adhesive. Scrape off dried adhesive, followed by a wipe with a cloth soaked with mineral spirits or an adhesive remover.

### **DISPOSAL**

Place **empty** containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

### **LIMITED WARRANTY**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING! CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.** This product contains a chemical known to the state of California to cause cancer. Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.** MAC11-0705

### **LN-609**

### **TECHNICAL INFORMATION**

**Base:** Latex

**Color:** Tan

**Appearance:** Smooth

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

**Service Temperature:** 0° to 140° F  
(-18° to 60° C)

**Adhesion:** Excellent

**Extrudability:** Easy

**Consistency:** Short and buttery

**Bridging Ability:** Excellent

**Shear Strength:**

24 hours – 150 psi

48 hours – 180 psi

7 days – 240 psi

**Durability:** Excellent; 20 year life

**Flexibility:** Excellent

**Water Resistance:** Excellent

**Aging:** Excellent; 20 year life

**Bleed:** Will not bleed

**Odor:** Mild

**Open Time:** 20 minutes

**Weight Per Gallon:** 11.5 pounds (1.38 kg/l)

**Viscosity:** 440,000 CPS

**Volatiles:** 28%

**Solids:** 72%

**Flammability:** Non-flammable

**Flash Point:** >200° F (>93°C)

**Coverage:** 32 lineal feet using 1/4" bead

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 43 g/L

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

**LN-710**

**Interior**

***The fast, sure hold of this construction adhesive provides precision placement and less nailing.***



### **PRODUCT DESCRIPTION**

LIQUID NAILS® Paneling & Molding Adhesive, LN-710, is specially designed for projects like paneling and molding where instant hold is needed. The fast, sure hold provides precision placement and less nailing, offering a 10 minute working time and an impact-resistance bond.

### **RECOMMENDED FOR**

- Paneling
- Plastic paneling & molding
- MDF Board
- Furring strips
- Plywood/hardboard
- Foil & insulation board
- Wood molding

*Please note with plastic molding and trim, the second surface should be porous. Dry time may be extended.*

### **NOT RECOMMENDED FOR**

- Uses other than paneling and molding installations
- Use between two non-porous surfaces
- Exterior use
- 1/8" MDF Paneling

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### **PRODUCT ADVANTAGES**

- Strong instant hold
- Retains precise placement
- Reduces nailing
- 10 minute working time
- Impact-resistant
- Interior
- 100% Satisfaction Guaranteed
- VOC Compliant



### **SURFACE PREPARATION**

Make sure that all surfaces are clean, dry and structurally sound before product is applied.

### **APPLYING THE PRODUCT**

Place Cartridge in gun, cut nozzle, and puncture inner seal with nail or wire. Apply a 1/4" bead of adhesive around the perimeter of parts to be bonded. Adhere materials within 20 minutes of gunning adhesive. Warped materials may require bracing and/or nailing.

### **INSTANT-GRAB METHOD:**

**Paneling:** Apply 1/4" bead of adhesive approximately 1" from edge of panel around the perimeter. Apply two zigzag 1/4" beads in the middle of the panel. Press panel firmly into place. Remove panel from wall for one minute. Rejoin panel to wall.

**Molding:** Apply 1/4" zigzag bead to back of molding. Press molding firmly into place. Starting at one end, nail every 12".

### **CLEAN-UP**

Water for wet adhesive. Scraping followed by wiping with mineral spirits for dried adhesive.

### **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**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING! 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. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**NOTICE:** 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. Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical attention.** For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. **KEEP FROM FREEZING.** MDS24-0705

### **LN-710**

### **TECHNICAL INFORMATION**

**Base:** Latex

**Color:** Tan

**Appearance:** Smooth

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

**Service Temperature:** 0° to 140° F  
(-18° to 60° C)

**Adhesion:** Excellent

**Extrudability:** Easy

**Consistency:** Short and buttery

**Bridging Ability:** Excellent

**Shear Strength:**

24 hours – 150 psi

48 hours – 180 psi

7 days – 240 psi

**Durability:** Excellent; 20 year life

**Flexibility:** Excellent

**Water Resistance:** Excellent

**Aging:** Excellent; 20 year life

**Bleed:** Will not bleed

**Odor:** Mild

**Open Time:** 20 minutes

**Weight Per Gallon:** 11.5 pounds (1.38 kg/l)

**Viscosity:** 440,000 CPS

**Volatiles:** 28%

**Solids:** 72%

**Flammability:** Non-flammable

**Flash Point:** 1° F (-17°C)

**Coverage:** 30 lineal feet using 1/4" bead

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 43 g/L

**LIQUID  
NAILS®**  
ADHESIVE

# **POLYURETHANE**

## **Construction Adhesive**

**LN-950**

**Interior & Exterior**

***An excellent weather resistant adhesive which withstands a wide range of temperatures.***

### **PRODUCT DESCRIPTION**

LIQUID NAILS® Polyurethane Construction Adhesive, LN-950, weather resistance which withstands a wide range of temperatures for a strong bond indoors and out. Works on a wide range of materials and surfaces.

### **RECOMMENDED FOR**

- Brick Veneers
- Countertops
- 1/8" MDF paneling
- Foamboard
- Plastic & vinyl
- Subfloors
- Ceramics & Mirrors
- Metal Studs
- Particleboard (with Plywood & Waferboard)
- Plywood & Waferboard
- Treated Lumber
- Drywall
- Tileboard
- Granite & Marble
- Cabinets
- Concrete & Stone
- Composite materials

### **NOT RECOMMENDED FOR**

- Ceiling tile

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

*Look for other LIQUID NAILS products which are right for your specific project.*

### **PRODUCT ADVANTAGES**

- Tougher and more durable than conventional adhesive
- Weatherproof
- Bonds to a wide range of materials and surfaces
- Withstands wide range of temperatures
- Strong bond indoors and out
- VOC Compliant
- Exceeds ASTM D-3498 and ASTM C-557 specifications
- Interior & Exterior
- 100% Satisfaction Guaranteed

**WARNING! COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED.**

Read label and Material Safety Data Sheet prior to use.  
See other cautions on last page. MDSF13-0404

**100%  
SATISFACTION  
GUARANTEED!**



# POLYURETHANE

## Construction Adhesive

### DIRECTIONS:

Surfaces must be clean, structurally sound, and free of loose particles. For smooth surfaces, adhesion can be improved by lightly sanding bond areas prior to applying adhesive. Wear gloves when using this product.

**Application:** Insert cartridge into a standard caulk gun and puncture inner seal with a nail or wire. Apply a 1/4 inch wide bead of adhesive to one of the surfaces to be bonded. Join the surfaces together within 30 minutes and press firmly so that the adhesive is 1/16" to 1/8" in thickness. Use mechanical fasteners or bracing to hold surfaces together until the adhesive has set (about 8 to 12 hours, depending on temperature, humidity, and porosity of the surfaces). Do not use this product at temperatures below 40° F. Clean up wet adhesive with mineral spirits or toluene. Remove dry adhesive by scraping.

**Dry Time:** Product will normally dry within 8-12 hours. Actual dry time may vary with temperature, humidity and materials used.

### CLEAN-UP

Use mineral spirits when adhesive is wet or scrape away when dry.

### 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

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

### LN-950

### TECHNICAL INFORMATION

**Base:** Polyurethane

**Type:** Moisture Cure

**Consistency:** Non-sag, thick mastic

**Color:** Tan

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

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

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

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

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

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

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

**Cure Time:** (1/4" bead, 73°/50% Rel. Hum.)  
<12 hours

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

**Specific Gravity:** 1.78

**Viscosity:** 200,000 CPS

**Volatiles:** 7%

**Solids:** 93%

**Flash Point:** 135°F (57°C)

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

**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

**Exterior Weathering:** Very Good; exposure to sunlight may result in darkening of adhesive

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

**Flammability:** Nonflammable when cured

**Coverage:** 30 lineal feet (10 lineal meters) for 1/4" (6 mm) bead from 10 oz (300 ml) cartridge

**Specifications:** Meets ASTM-D-3498 & C-557

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 115 GPL

### 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 THE SKIN. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**NOTICE:** 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 is done, 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:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush **immediately** with large amounts of water for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical help.** For emergency information, customer service, MSDS or additional safety and chronic hazard information, call 1-800-634-0015. **KEEP FROM FREEZING.** MDS58-0705



15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

**LN-704/LNP-704**

**Interior**

**A proven, high-quality, waterproof adhesive that creates a strong durable bond.**

**PRODUCT DESCRIPTION**

LIQUID NAILS® Projects Construction Adhesive, LN-704 offers water clean-up when wet, develops strength rapidly, and has excellent water resistance and long-term holding power when set. Projects Construction Adhesive is certified by the GREENGUARD Environmental Institute to meet their Children and Schools standard for indoor air quality. LN-704 meets all air quality regulations.

**RECOMMENDED FOR** interior installations and all common building materials, including:

- Paneling
- Molding
- Drywall
- Plywood/hardboard
- Foamboard
- Styrofoam® Brand Insulation
- InsulPink® Foam Insulation Board
- Medium density fiberboard
- Corkboard
- Foambak tub surrounds
- Furring strips
- Masonry/concrete
- Ceramic tile repairs
- Foamular® Rigid Foam Insulation

Foamular and InsulPink are registered trademarks of Owens-Corning Fiberglas Technology, Inc. Styrofoam is a registered trademark of the Dow Chemical Company.

**NOT RECOMMENDED FOR** exterior use or for application of ceiling tile, finished floors, mirrors, plastic & vinyl, marble & granite, or foamboard to foamboard. LN-704 should not be used in basement applications.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

*Look for other LIQUID NAILS products which are right for your specific project.*

**PRODUCT ADVANTAGES**

- Safer for indoor use
- High-strength bond
- Very low odor
- Easy water clean-up
- Bridges gaps up to 3/8"
- No harmful fumes
- Up to 30 minutes open time
- Non-staining
- Will not attack foam insulation
- VOC compliant



Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page.





### **SURFACE PREPARATION**

Surfaces must be clean, dry, and structurally sound. Cut and pre-fit materials prior to installation.

### **APPLYING THE PRODUCT**

Insert tube into caulking gun. Cut nozzle to desired bead size marked on nozzle. Puncture inner seal with nail or wire. Apply adhesive in temperature of 60°F or higher. Press material into place. Lift off for 2-4 minutes, then press back into place. Material should not be applied to skinned adhesive. Do not apply to moist concrete or masonry.

**Note:** One surface must be porous.

**Bonding material to furring strips or studs:** Apply a zigzag 1/4" bead of adhesive to each strip or stud to be covered by material. Position materials so edges meet at stud center. Press firmly into place. Finishing nails required at top and bottom.

**Bonding foamboard, foamback tub surrounds, paneling, corkboard, brick veneer, etc. to flat surfaces:** Cover entire substrate with 1/4" vertical zig-zag bead a maximum of 12" apart and within 1-1/2" of all edges.

### **CLEAN-UP**

Use water for wet adhesive. Use mineral spirits or adhesive remover for dry adhesive.

### **DISPOSAL**

Place **empty** containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants.

EAD-C8

### **LIMITED WARRANTY**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING! CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.** Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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 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.**

MAC11-0705

### **LN-704**

### **TECHNICAL INFORMATION**

**Base:** Latex emulsion

**Color:** Off-white

**Appearance:** Smooth gunnable paste

**Application Temperature:**

40° to 100° F (5° to 38° C)

**Service Temperature:** up to 120° F (49° C)

**Adhesion:** Excellent to most common building materials

**Bridging Ability:** Good; bridges gaps to 1/4" (.64cm)

**Shear Strength:**

24 hours – 300 psi

48 hours – 350 psi

28 days – 400 psi

**R.T. Static Load in Shear:**

10 lbs. No failure in 72 hours.

**Tensile Strength:**

24 hours – 60 psi avg.

7 days – 75 psi avg.

**Durability:** Resistant to oxidation, 20 year life

**Flexibility:** Good

**Water Resistance:** Good

**Aging:** Good

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Mild Acrylic

**Working Time:** 30 minutes

**Weight Per Gallon:** 12.18 pounds (5.8 kg)

**Viscosity:** 400,000 CPS

**Volatiles:** 38%

**Solids:** 62%

**Flammability:** Nonflammable

**Flash Point:** Exceeds 200°F (93°C)

**Coverage:** Using full round 1/4" (.64 cm) bead:

10.5 oz. (310 ml) - 32 lineal feet (10 lineal meters)

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 14 g/L

**LIQUID  
NAILS®**  
ADHESIVE

# SUBFLOOR

& Deck Construction Adhesive

**LN-902/LNP-902**

Interior & Exterior

**Non-flammable, extreme temperature formula guns easily in temperatures down to 22°F.**

**100%  
SATISFACTION  
GUARANTEED!**

### PRODUCT DESCRIPTION

LIQUID NAILS® Subfloor & Deck Construction Adhesive, LN-902/LNP-902, permanently bonds wet, frozen and treated lumber, bridging gaps up to 3/8". This extreme temperature formula is also ideal for bonding most common building materials and is certified to the GREENGUARD Children and Schools Standard for low emitting materials.

### RECOMMENDED FOR

- Plywood
- Particleboard
- Waferboard
- Lumber
- Treated lumber
- OSB
- Engineered lumber
- Composite lumber

### NOT RECOMMENDED FOR

- Uses other than subfloors, walls and decks
- Plastic lumber
- Underlayment directly to concrete

Please research all installation instructions and read entire label for safety, health & environmental information prior to use.

Look for other LIQUID NAILS products which are right for your specific project.

### PRODUCT ADVANTAGES

- Guns Easily in Temperatures Down to 22°F
- Bonds wet and frozen lumber
- Helps reduce floor squeaks\*
- Bridges gaps up to 3/8"
- Waterproof
- Interior & Exterior
- 100% Satisfaction Guaranteed
- VOC Compliant
- Exceeds APA-AFG-01 and ASTM C-557 specifications



\*When applied as directed

See cautions on back page.



### **SURFACE PREPARATION**

Make sure that all surfaces are clean, structurally sound and free of excess water. Wood may be damp, but the adhesive will take longer to dry. LN-902 can be applied at temperatures as low as 22°F (-6°C).

### **APPLYING THE PRODUCT**

**Preparation:** Surfaces must be clean, dry and structurally sound. Condition adhesive to at least 40°F (4°C) for easier gunning. Adhere materials within 15-20 minutes of gunning adhesive. Make sure skin of bead is broken; if not, scrape off and apply fresh bead.

**Subflooring:** For added strength and to prevent squeaking, lay one 1/4" (.64 cm) zigzag adhesive bead on each joist. On supporting joists where sheets meet, lay two zigzag 1/4" beads for added strength and to prevent squeaking. Lay sheets with plywood face grain at right angle to joists. Space joists the thickness of a putty knife to allow for wood expansion. Nail section into place 6" on center around edges and 12" on center in center on all joists. Subfloor must be under roof within 6 weeks of construction. For additional information regarding subfloors, refer to the American Plywood Association (APA) bulletin, "APA Glued Floor System".

**Stair Treads, Transition Strips, and Thresholds:** Apply adhesive along the entire length in 1/4" wide beads, spaced 4" apart, recessed 1/2" to 1" from the edges. For transition strips and thresholds less than 3" wide, a single bead will be sufficient.

**Foam Insulation, Foamboard, Paneling, Corkboard, etc. to Flat Surfaces:** Apply a 1/4" (.64 cm) bead near the outside edges and throughout field in lines 12" apart.

**Other Substrates:** Follow manufacturer's instructions.

Allow 24 hours drying time before using construction area.

### **CLEAN-UP**

Use water for wet adhesive. Use mineral spirits or an adhesive remover for dry adhesive.

### **DISPOSAL**

Place **empty** containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

### **LIMITED WARRANTY**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING! CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. POTENTIAL CANCER HAZARD. CONTAINS FORMALDEHYDE WHICH HAS BEEN SHOWN TO CAUSE UPPER RESPIRATORY TRACT CANCER AND ALLERGIC RESPIRATORY REACTION. MAY CAUSE ALLERGIC SKIN REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.** This product contains a chemical known to the state of California to cause cancer. Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical attention. **For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.** MAC62-1106

### **LN-902/LNP-902 TECHNICAL INFORMATION**

**Base:** Latex

**Type:** Waterborne

**Color:** White

**Appearance:** Smooth

**Application Temperature:** 22° to 120° F  
(-6° to 38° C)

**Service Temperature:**  
-20° to 140° F (-29° to 60° C)

**Adhesion:** Excellent to most common building substrates

**Extrudability:** Very easy to gun at room temperature

**Consistency:** Short, non sag

**Bridging:** Excellent, bridges gaps up to 3/8" (1 cm)

**Shear Strength:**  
24 hours – 350 psi  
48 hours – 450 psi  
7 days – 500 psi

**Durability:** Excellent; estimated to exceed 40 years

**Flexibility:** Good

**Sag:** Non sag in normal use

**Water Resistance:** Very good

**Exterior Weathering:** Not recommended

**Aging:** Excellent

**Freeze-Thaw-Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Very mild latex

**Drying Time:** Completely dry in two weeks

**Paintability:** Paintable with oil or latex

**Weight Per Gallon:** 10.99 pounds (1.32 kg/l)

**Viscosity:** 200,000 CPS

**Volatiles:** 41%

**Solids:** 59%

**Flammability:** Nonflammable

**Flash Point:** >205° F (96° C)

**Coverage:**

10 oz. (296 ml) 30 lineal ft. using 1/4" bead;

28 oz. (828 ml) 85 lineal ft. using 1/4" bead

**Shelf Life:** 12 months from date of purchase

**Specifications:** Passes APA AFG-01, ASTM D-3498 and ASTM C-557

**Max VOC:** 18 g/L

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

**LN-715**

**Interior**

***A durable construction adhesive that provided an exceptional waterproof bond under extreme conditions.***



### **PRODUCT DESCRIPTION**

LIQUID NAILS® Tub Surround & Shower Wall Adhesive is a high-solids, VOC compliant adhesive for tub and shower surrounds designed to provide a water resistant bond between all types of tub and shower surround materials, including polystyrene, and all types of wall materials, including existing tile. This product can be used as a caulk to seal joints between tubs and surrounds and between surround panels. LIQUID NAILS Tub Surround & Shower Wall Adhesive is resistant to mold and mildew. This unique formulation meets the requirements of all air quality regulations and will not soften or distort tub and shower surround materials. LIQUID NAILS Tub Surround & Shower Wall Adhesive meets the requirements of the US Green Building Council LEED and the National Association of Home Builders Residential Green Building programs.

**RECOMMENDED FOR** bonding most plastic and fiberglass tub & shower surrounds to:

- Drywall
- Plywood
- Greenboard
- Cement backerboard
- Ceramic tile

**NOT RECOMMENDED FOR** uses other than tub & shower surrounds. Not recommended for water immersion conditions.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

*Look for other LIQUID NAILS products which are right for your specific project.*

### **PRODUCT ADVANTAGES**

- No burn through
- Heat and steam resistant
- Great for plastic, fiberglass and polystyrene tub & shower units
- Light color won't show through
- Water resistant
- VOC Compliant
- Interior
- 100% Satisfaction Guaranteed



### **SURFACE PREPARATION**

Make sure that all surfaces are clean, dry, structurally sound and free of any loose paint or other materials. Sand and roughen high gloss paint.

### **APPLYING THE PRODUCT**

For applications over ceramic tile, sand surface before applying adhesive. Apply adhesive to surround panel in a ¼ inch wide continuous bead approximately one inch from the edges of the panel. An "S" or "X" shaped bead may be applied to the center portion of the panel. Press the panel into place on the wall within 15 minutes of the adhesive application. Press firmly into place. Repeat for remaining panels and corner units. To develop more tack, peel panels back from wall for 3 minutes, then press back into place. Bracing may be needed if panels do not lie flat. For overlap areas and edges, this adhesive may be used as a caulk. Panel edges and seams may be caulked after 24 hours. Allow adhesive and caulk to dry overnight prior to use.

**Application Rate:** 32 linear feet per tube. A typical surround will require approximately 3 tubes of adhesive for installation, including caulking.

**It is important for proper installation that each panel be vented according to the following directions. Venting method:** Apply LN-715 adhesive and press panel firmly to wall, then pull away. Wait 3-5 minutes, then press panel firmly back into place. For proper adhesion, after 20-30 minutes go around entire tub surround and press firmly over all flat surfaces. If any edges lift up, tape them to the wall with masking tape until adhesive dries. Let cure 24 hours.

### **CLEAN-UP**

Use water for wet adhesive. Scrape off dried adhesive. Residue may be removed by applying mineral spirits to a cloth and wiping.

### **DISPOSAL**

Place empty containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

### **LIMITED WARRANTY**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING!** CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm. Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.** MAC133-1006

### **LN-715**

### **TECHNICAL INFORMATION**

**Base:** Vinyl Acrylic

**Type:** Water borne

**Color:** Bright white

**Appearance:** Smooth Paste

**Application Temperature:**  
40° to 100° F (4° to 38° C)

**Service Temperature:**  
-20 to 200° F (-29° to 93° C)

**Adhesion:** Good to most common building substrates

**Shear Strength:**  
24 hours – 300 psi  
7 days – 380 psi

**Consistency:** Smooth paste

**Durability:** Excellent

**Flexibility:** Good to -10° F (-23° C)

**Volume Shrinkage:** 40%

**Slump:** Max 0.15"

**Shore "A" Hardness:** 60

**Water Resistance:** Good

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Mild Acrylic

**Aging:** Will not become brittle

**Tack Free Time:** Tack at drying time – none

Tack at 24 hours – none

**Drying Time:** Sets in 24 hours. Allow 5 days to completely dry

**Weight Per Gallon:** 12.5 pounds (5.54 kg)

**Viscosity:** 350,000 to 400,000 CPS

**Solids:** 75%

**Flammability:** Nonflammable

**Flash Point:** Greater than 200°F (93°C)

**Coverage:** 30 lineal ft. (9.14 lineal meters) using 1/4" (.64cm) bead

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 28 g/L

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

**LIQUID  
NAILS®**  
ADHESIVE

**ULTRA  
QUIK GRIP®**  
**Construction Adhesive**

**LN-990**

**Exterior & Interior**

***A premium construction adhesive  
offering a strong instant hold.***



**PRODUCT DESCRIPTION**

LIQUID NAILS® ULTRA QUIK GRIP® Adhesive, LN-990, features a strong instant flexible hold with no bracing required. Minimizes the need for mechanical fasteners.

**RECOMMENDED FOR :**

- Paneling
- Drywall
- Chair Rails
- Corkboard
- Foamboard
- Furring strips
- Concrete & Masonry
- Brick
- Ceramic Tile
- Lumber
- Plywood & Waferboard
- Glass
- Plaster
- Baseboards
- Metal
- Plastic, Vinyl & PVC

**NOT RECOMMENDED FOR :**

- Mirrors
- Ceiling tile
- Finished floors

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

*Look for other LIQUID NAILS products which are right for your specific project*

**PRODUCT ADVANTAGES**

- Strong instant flexible hold
- Minimizes the need for fasteners
- Low odor
- Excellent Durability
- Repositionable up to 10 minutes
- Easy water clean up
- No bracing required
- VOC Compliant
- Exterior/Interior
- 100% Satisfaction Guaranteed



Read label and Material Safety Data Sheet prior to use.  
See other cautions on last page. MDSF1-0292

### **SURFACE PREPARATION**

Surfaces must be clean, dry, and structurally sound. Cut and pre-fit materials prior to installation.

### **APPLYING THE PRODUCT**

1. Insert tube into caulking gun.
2. Cut nozzle to desired bead size. (marked on nozzle).
3. Apply adhesive in temperature of 40° F or higher and press your material into place. Material should not be applied to skinned adhesive. Do not apply to damp concrete or masonry.

**Note:** One surface must be porous.

**Material to furring strips or studs:** Apply zigzag 1/4" adhesive bead to each strip or stud to be covered by material. Position material so edges meet at stud center. Press into place. Finishing nails required at top and bottom.

### **CLEAN-UP**

Use water for wet adhesive. Use mineral spirits or an adhesive remover for dry adhesive.

### **DISPOSAL**

Place **empty** containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

### **LIMITED WARRANTY**

PPG warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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 of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state

**WARNING! CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. POTENTIAL CANCER HAZARD. CONTAINS FORMALDEHYDE WHICH HAS BEEN SHOWN TO CAUSE UPPER RESPIRATORY TRACT CANCER AND ALLERGIC RESPIRATORY REACTION. MAY CAUSE ALLERGIC SKIN REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.** Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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.** MDS60-1106

### **LN-990**

### **TECHNICAL INFORMATION**

**Base:** Acrylic Polymer

**Type:** Latex

**Color:** White

**Application Temperature:** 40° to 100° F  
(4° to 38° C)

**Service Temperature:** -20° to 200° F  
(-29° to 93° C)

**Consistency:** Smooth Paste

**Volume Shrinkage:** 45%

**Slump:** Max. 0.10" at 3/8" depth (ASTM D2202)

**Tack Free Time:** 1 Hour

**Durability:** Excellent

**Flexibility:** Good to 0° F (-18° C)

**Water Resistance:** Good

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed/Staining:** None

**Odor:** Mild Acrylic

**Drying Time:** 16 hrs. at room temperature

**Weight Per Gallon:** 9.1 pounds (1.10 kg/l)

**Viscosity:** 1.4 million centipoise

**Volatiles:** 42%

**Solids:** 58%

**Flammability:** Nonflammable

**Flash Point:** Exceeds 205°F (>95°C)

**Shear strength (3 days):** Greater than 200 psi

**Coverage:** Using full round 1/4" (.64 cm) bead:  
30 lineal feet (9.1 lineal meters)

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 27 GPL

PPG Architectural Coatings  
One PPG Place  
Pittsburgh, PA 15272

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

**LIQUID  
NAILS®**  
ADHESIVE

**MULTI-PURPOSE  
WOOD  
PROJECTS™ CONSTRUCTION ADHESIVE**

**LN-740**

**Interior & Exterior**

***A premium construction adhesive formulated for use on lumber, paneling, and most common building materials.***

**PRODUCT DESCRIPTION**

LIQUID NAILS® MULTI-PURPOSE WOOD PROJECTS™ Construction Adhesive, LN-740, is a premium, adhesive formulated for use on lumber, paneling and most common building materials. LN-740 forms a strong durable bond which is stronger than fasteners alone.

**RECOMMENDED FOR**

- Lumber
- Paneling
- Particleboard
- Treated lumber
- Drywall
- OSB
- Wood molding
- Waferboard
- Plywood

**NOT RECOMMENDED FOR**

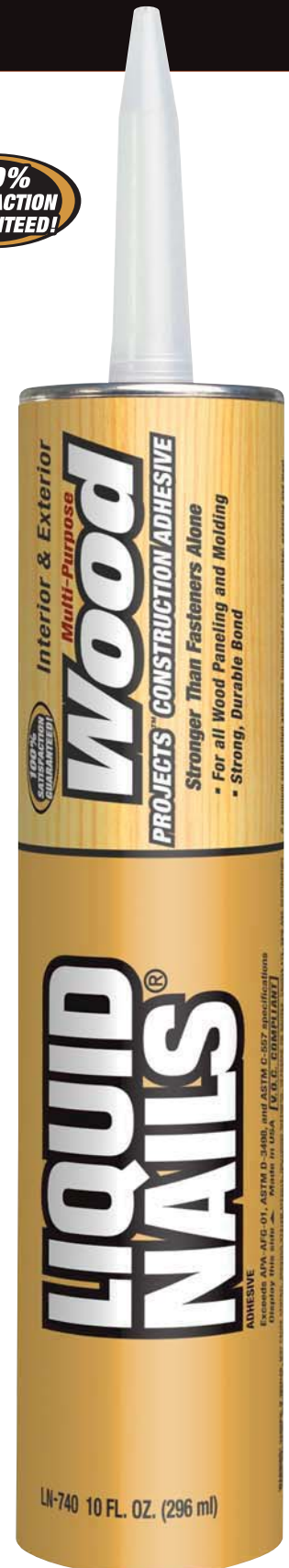
- Plastics
- Marble & Granite
- Metal

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS® products which may be right for your project.

**PRODUCT ADVANTAGES**

- Stronger than fasteners alone
- For all wood and paneling
- Strong durable bond
- VOC Compliant
- Interior & Exterior
- 100% Satisfaction Guaranteed
- Exceeds APA-AFG-01; ASTM D-3498; ASTM C-557 specifications



Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF1-0292



### **DIRECTIONS**

For best results, adhesive and both surfaces should be at room temperature. All substrates must be structurally sound, and the surface where the adhesive is to be applied should be thoroughly clean and dry.

### **PREPARATIONS**

Surfaces must be clean, structurally sound, and free of loose particles. For smooth surfaces, adhesion can be improved by lightly sanding bond areas prior to applying adhesive.

1. Insert tube into standard caulking gun.
2. Cut nozzle at a 45° angle to desired size.
3. Squeeze the trigger to break inner seal.

### **PANELING**

Apply 1/4" bead of adhesive approximately 1" from edge of panel around the perimeter. Apply two zig-zag 1/4" beads in the middle of the panel. Press panel firmly into place. *Due to panel inconsistencies, for best results, bracing and/or nailing may be required.*

### **MOLDING**

Apply 1/4" zig-zag bead to back of molding. Press molding firmly into place. Starting at one end, nail every 12".

### **CLEAN-UP**

Use water for wet adhesive. Use mineral spirits or an adhesive remover for dry adhesives.

### **DISPOSAL**

Place **empty** containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

### **LIMITED WARRANTY**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING! HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN, AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. POTENTIAL CANCER HAZARD. CONTAINS FORMALDEHYDE WHICH HAS BEEN SHOWN TO CAUSE UPPER RESPIRATORY TRACT CANCER AND ALLERGIC RESPIRATORY REACTION. MAY CAUSE ALLERGIC SKIN REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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. MDS45-1106

### **LN-740**

### **TECHNICAL INFORMATION**

**Base:** Latex

**Type:** Waterborne

**Color:** White

**Appearance:** Smooth

**Application Temperature:** 40° to 100° F  
(4° to 38° C)

**Service Temperature:** -20 to 140° F  
(-29° to 60° C)

**Adhesion:** Excellent to most common building substrates

**Extrudability:** Very easy to gun at room temperature

**Consistency:** Short, non-sag

**Bridging Ability:** Excellent, bridges gaps up to 3/8" (1 cm)

**Shear Strength:** 24 hours – 350 psi  
48 hours – 450 psi  
7 days – 500 psi

**Durability:** Excellent; estimated to exceed 40 years

**Flexibility:** Good

**Sag:** Non sag in normal use

**Water Resistance:** Very good

**Exterior Weathering:** Not recommended

**Aging:** Excellent

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Very mild latex

**Drying Time:** Completely dry in two weeks

**Paintability:** Paintable with oil or latex

**Weight Per Gallon:** 10.99 pounds (1.32 kg/l)

**Viscosity:** 200,000 CPS

**Volatiles:** 41%

**Solids:** 59%

**Flammability:** Nonflammable

**Flash Point:** >205° F (96°C)

**Coverage:** 10 oz. (296 ml) 30 lineal ft. using 1/4" bead; 28 oz. (828 ml) 85 lineal ft. using 1/4" bead

**Shelf Life:** 12 months from date of purchase

**Specifications:** Passes APA AFG-01, ASTM D-3498 and ASTM C-557

**MAX VOC:** 20 GPL



15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

# HOUSEHOLD ADHESIVES

LN-207

Interior & Exterior

## ***A clear, permanent, fast-bonding construction adhesive for most common building materials.***

### **PRODUCT DESCRIPTION**

LIQUID NAILS® Clear Small Projects Silicone Adhesive (LN-207) is a moisture curing adhesive designed for use in all types of household repair and light assembly and remodeling applications. The adhesive is non-flammable, cures quickly, and has outstanding environmental resistance to heat, cold, and moisture. Clear Adhesive adheres to a wide range of surfaces including most plastics, aluminum and other metals, concrete and masonry, and wood.

**RECOMMENDED FOR** bonding all common building materials, including:

- Wood
- Concrete
- Painted surfaces
- Vinyl cove base
- Metal
- Fiberglass
- Vinyl
- Porcelain

Clear Small Projects Silicone Adhesive can be used for a variety of applications that include:

- House numbers
- Countertops
- Moldings
- Carpets
- Floor tile
- Canvas/fabrics

**NOT RECOMMENDED FOR** windows, wood flooring, tubs/sinks, aquariums or ceiling applications.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project

### **PRODUCT ADVANTAGES**

- Works where hammer and nails can't
- Fast-bonding
- Waterproof
- Resealable cap / Precision applicator
- Won't shrink
- Clear Adhesive
- Permanently flexible
- Construction grade
- Non-flammable



### **SURFACE PREPARATION**

Make sure that all surfaces are clean, dry and structurally sound before product is applied. Apply in well-ventilated area.

### **APPLYING THE PRODUCT**

**General application:** Apply a bead of adhesive to the material being bonded and position immediately. For faster setting or uneven surfaces, pull materials apart right after pressing together and allow adhesive to air dry for 5 to 10 minutes before pressing back.

**For fabric and canvas:** Apply a bead of adhesive to fabric/canvas. Work wet adhesive into fibers. Press surfaces together. Remove any excess adhesive. Keep clamped or pressed together for 24 hours.

**For countertops, carpets and flooring:** Apply a bead of adhesive as close to the center of the material as possible. Press surface down and apply pressure from the center out to the edges. Remove any excess adhesive. Carefully pull materials apart and allow to vent for 2 to 3 minutes. Reapply from the center to the edges. Clamp or place weight on materials for 24 hours.

**For porcelain and ceramics:** Apply a bead of adhesive to one surface; press into place. Remove any excess adhesive. Pull materials apart and vent for 2 to 3 minutes. Reapply materials and clamp together for 24 hours. Do not use for 48 hours.

**For ceramic tile:** Apply a bead of adhesive to the back of the tile. Press tile into place. Remove any excess adhesive. Remove tile and vent for 2 to 3 minutes, then reapply tile and brace if necessary.

### **CLEAN-UP**

Uncured adhesive may be removed by wiping with a clean cloth dampened with mineral spirits. Dried adhesive may be removed by scraping.

### **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**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING!** CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.** MAC134-0108

### **LN-207**

### **TECHNICAL INFORMATION**

**Base:** Silicone Pre-polymer

**Type:** Moisture-curing

**Color:** Translucent clear

**Appearance:** Smooth gel

**Application Temperature:** -35° to 140° F  
(-37° to 60° C)

**Service Temperature:** -80° to 350° F  
(-62° to 177° C)

**Adhesion:** Excellent to most common substrates

**Consistency:** Squeeze tube grade

**Bridging Ability:** Very good

**Extrudability:** Very good

**Shear Strength (in psi to wood):**

24 hours – 85 psi

48 hours – 106 psi

**Peel Strength**

(in pli, canvas to canvas, T-peel):

24 hours – 12.0 pli

1 week – 13.9 pli

**Peel Strength**

(in pli, 180 after one week cure time):

Aluminum – 11.5 pli

ABS Plastic – 20.5 pli

Glass – 20.1 pli

**Durability:** Excellent

**Flexibility:** Excellent

**Water Resistance:** Excellent

**Exterior Weathering:** Excellent

**Accelerated Aging (Q-UV Weatherometer):**

No change in 500 hrs.

**Shore A Hardness:** 27

**Cure Rate (24 hrs):** 3 mm

**Freeze-Thaw Stable:** Stable through 5 cycles

**Bleed:** None

**Staining:** Do not use on marble or granite

**Odor:** Mild

**Skin Time:** 9 minutes

**Tack Free Time:** 20 minutes

**Open Time:** 10-15 minutes

**Paintability:** Not paintable

**Weight Per Gallon:** 8.6 pounds (3.2 kg)

**Viscosity:** 290,000 CPS

**Volatiles:** <5%

**Solids:** >95%

**Flammability:** Non-flammable

**Flash Point:** Not applicable

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 46 g/L



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Customer Service 1-800-634-0015

**LN-203**

**Interior & Exterior**

***A remarkably tough, epoxy adhesive for permanent repairs on rigid materials. This rugged formula dries clear, and sets in 5 minutes for fast repairs. Automatically dispenses into equal amounts with one push.***

### PRODUCT DESCRIPTION

LIQUID NAILS<sup>®</sup> Metal Projects Repair Adhesive (LN-203) is a two-part epoxy adhesive designed for use in bonding metals in all types of household repair and light assembly and remodeling applications. The adhesive is non-flammable, cures quickly, and has outstanding environmental resistance to heat, cold, and moisture. In addition to metals, Adhesive for Metal Projects adheres to a wide range of surfaces including most plastics, concrete and masonry, and wood.

### RECOMMENDED FOR

This product bonds all common household building materials, including:

- Metal
- Concrete
- Stone
- Marble
- Brick
- Brass
- Rubber
- Tile
- Masonry

### NOT RECOMMENDED FOR

- For use on surfaces in direct contact with food
- Sheet goods
- Wood flooring
- Ceiling applications

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project

### PRODUCT ADVANTAGES

- Bonds porous and non-porous materials
- Interior and exterior
- Withstands temperatures up to 300° F
- Working time up to 5 minutes
- Individual use size
- Will not shrink
- Paintable / Stainable

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on back page.



### **SURFACE PREPARATION**

All surfaces to be bonded must be clean, dry, and free from any loose material.

### **APPLYING THE PRODUCT**

Protect surfaces in the immediate area, as this adhesive cures rapidly and may be difficult to remove. Break caps off of end of package and remove plastic strip from between plungers. Push out enough adhesive for bonding application. Place caps on end of package and set aside. Thoroughly mix the adhesive with a mixing stick. Mixing should be completed in about 30 seconds. Apply mixed product to both surfaces to be joined. Press parts together and hold, clamp, or set assembled part in place where it will not shift until adhesive has set (about 5 minutes). Allow one hour before beginning limited handling and use of bonded parts. Full strength will be achieved within 24 hours.

**Metal:** 1. Mix an amount of METAL PROJECTS sufficient to coat the portion of the object that is to be bonded to the cement, block, brick, or stone.

2. Coat the metal with mixed METAL PROJECTS and press the object into place. Hold, tape, or brace the metal object in place until the adhesive has set (5 minutes). If the metal part is heavy, it may be necessary to tape or brace the item in place for up to 6 hours after application.

To bond parts, such as handles, to metal in cookware applications, mix together Parts A and B of METAL PROJECTS and apply to the handle surface that is being joined to the metal. Press the part into place on the metal and hold until the adhesive has reached an initial set (5 minutes). Place repaired object aside and allow to cure for 24 hours prior to using.

### **CLEAN-UP**

Wipe off excess adhesive with a dry cloth. Wet adhesive may be removed by using a cloth dampened with mineral spirits. Dried adhesive can be scraped off of surfaces.

### **DISPOSAL**

Contains organic constituents which may cause adverse effects to the environment if disposed of improperly. Mix unused portions and allow to cure before placing in normal refuse for disposal. Do not place partially-filled containers in open fires. EAD-C14

### **LIMITED WARRANTY**

Satisfaction guaranteed when handled and applied according to label instructions. Labor and cost of labor are excluded. Call 1-800-634-0015 for warranty details. This warranty gives specific legal rights, which may vary from state to state.

### **WARNING! CORROSIVE. CAUSES EYE, SKIN BURNS AND SEVERE RESPIRATORY TRACT IRRITATION. HARMFUL IF SWALLOWED. MAY CAUSE ALLERGIC SKIN REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.** Contents of this package must be blended together before using. Read all warning labels before opening and follow all precautions. **MAC136-0108**

### **LN-203**

### **TECHNICAL INFORMATION**

**Color:** Clear

**Application Temperature:** 40° to 140° F  
(5° to 60° C)

**Service Temperature:** -40° to 300° F  
(-40° to 150° C)

**Consistency:** Squeeze tube grade

**Shear Strength (steel to steel):** >1,000 psi

**Durability:** Excellent

**Flexibility:** Rigid

**Water Resistance:** Excellent

**Accelerated Aging (Q-UV Weatherometer):**  
Moderate yellowing in 500 hrs., No cracking or chalking

**Freeze-Thaw Stability:** Does not freeze

**Staining:** None

**Odor:** Mild solvent

**Initial Cure (to light use):** 1 hour

**Initial Set:** 5 minutes

**Full Cure:** 24 hours

**Repositioning Time:** 2 minutes

**Paintability:** Paintable after initial set

**Weight Per Gallon:** Part A=9.45 pounds  
Part B=9.35 pounds

**Viscosity:** Part A=20,000 CPS  
Part B=8,000 CPS

**Flammability:** Non-flammable

**Flash Point:** >200° F (93° C)

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** <22 g/L



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PG-00

Interior & Exterior

## Repositionable For 10 Minutes Flexible & Shock Absorbing Works On Wet Surfaces

### PRODUCT DESCRIPTION

LIQUID NAILS<sup>®</sup> Perfect Glue<sup>™</sup> Adhesive (PG-00) is a unique general purpose adhesive product designed for small to medium sized repairs in household, automotive, and industrial applications. The product is based on a moisture curing polymer technology that provides quick tack, fast cure, and adhesion to a wide range of surfaces including, but not limited to, wood, steel, porcelain, glass, polystyrene, ABS, fiberglass, fabric, concrete, aluminum, rubber, carpeting, painted surfaces, vinyl, and upholstery. Perfect Glue functions over a wide temperature range, -60° F to 325° F (-51° C to 163° C) and can fill gaps up to ¼" (6 mm) in width. Perfect Glue is dishwasher safe and microwave safe. Items repaired with Perfect Glue Adhesive should not be used in conventional ovens.

### RECOMMENDED FOR

 a variety of uses including:

- Fabric
- Leather
- Rubber
- Cardboard
- Concrete
- Wood
- Ceramic
- Canvas
- Brick
- Plastics\*
- Metal
- Foam
- Stone
- Marble

**NOT RECOMMENDED FOR** sheet goods, wood flooring or ceiling applications.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### PRODUCT ADVANTAGES

- Withstands temperatures from -60° to 325° F
- Acid free / Low odor
- Flexible & shock absorbing
- Works on wet surfaces
- Indoor & outdoor
- Patented technology

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page.



**SURFACE PREPARATION**

Surfaces must be clean and free from any loose matter. Surfaces may be damp. Apply Perfect Glue Adhesive to one surface. NOTE: For faster bonding, dampen surfaces lightly with water before applying adhesive.

**APPLYING THE PRODUCT**

**General application:** Press surfaces together within 5 minutes after applying adhesive. For better tackiness, pull surfaces back apart for 3-5 minutes, then rejoin. Surfaces may be adjusted for 10 minutes after joining. Adhesive will reach initial cure in one hour and full cure in 6-8 hours.

**Sealing a Tear:** If ends cannot be overlapped, then lay ends as close together as possible. Lay a bead of glue over entire tear and a little past each end. Smooth bead so that it forms a thin film on both sides of tear. Wipe away excess with a dry cloth.

**Bonding Pieces End-to-End:** Find a suitable piece to use as a "splint" to reinforce the repaired joint. Apply glue to the splint over the area that will be in contact with the repaired piece. Apply glue to both ends of joint. Join all pieces together as desired and brace or clamp.

**Plastics, Metals, and Non-porous Surfaces:** Plastics, metals, and non-porous surfaces that can be bonded with PERFECT GLUE include aluminum, steel, brass, PVC, fiberglass, rubber, neoprene, nylon, ABS, and polystyrene. PERFECT GLUE cannot be used to bond polyethylene or polypropylene. Apply a bead of glue to one of the surfaces to be bonded. Spread the bead to cover the surface to be bonded. Join the surfaces together, then pull them apart and let stand for 5 minutes before pressing back together. For a quicker bond, mist the surfaces lightly with water before rejoining. Allow 1 hour before light use and 8 hours before normal use.

**CLEAN-UP**

Uncured adhesive may be removed by wiping with a clean cloth. Dried adhesive may be removed by scraping.

**DISPOSAL**

Contains organic constituents which may cause adverse effects to the environment if disposed of improperly. Allow unused portions to air-dry before placing in normal refuse for disposal. Do not place partially-filled containers in open fires. EAD-C13

**LIMITED WARRANTY**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**CAUTION! MAY CAUSE EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.**

**KEEP OUT OF THE REACH OF CHILDREN.** Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.** MAC120-0706

**PG-00****TECHNICAL INFORMATION**

**Base:** Moisture curing polymer

**Type:** Polymer

**Color:** Translucent

**Appearance:** Smooth paste

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

**Service Temperature:** -60° to 325° F  
(-51° to 163° C)

**Adhesion:** Excellent to wood

**Consistency:** Gel

**Shear Strength (24 hour 72°F / 35% RH):**  
240 psi (wood to wood)

**Oxidation Resistance (158° F / 70° C):**  
Good at 500 hrs.

**Durability:** Good

**Flexibility:** Excellent

**Water Resistance:** Excellent

**Exterior Weathering:** Excellent

**Aging:** Good

**Freeze/Thaw Stable:** Yes

**Bleed:** None

**Staining:** None

**Odor:** Slight

**Set Time:** 1 hour

**Cure Time:** 4 to 8 hours, depending on size of application, temperature, humidity, and exposure. Note that initial cure occurs within one hour in most applications.

**Paintability:** Paintable once cured

**Sandability:** Good

**Weight Per Gallon:** 9.3 pounds (4.22 kg)

**Viscosity:** 250,000 CPS

**Specific Gravity:** 1.03

**Volatiles:** <3%

**Solids:** >97%

**Flammability:** Non-flammable

**Flash Point:** >200°F (93°C)

**Shelf Life:** One Year in unopened container

**MAX VOC:** 52 g/L

Akzo Nobel Paints LLC  
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LN-202

Interior

**Quickly forms an incredibly strong bond on close fitting parts. This industrial strength formula dries clear and requires very little surface area to bond securely, which makes it ideal for repairing small items (surface area of less than one inch).**

### PRODUCT DESCRIPTION

LIQUID NAILS® Small Ceramic Projects Repair Adhesive (LN-202) is a surface insensitive cyanoacrylate adhesive designed for use in all types of household repair and light assembly and remodeling applications. The adhesive develops strength quickly and reaches an initial set within 60 seconds on most surfaces. Ceramic Projects Adhesive adheres to a wide range of surfaces in addition to ceramics, including glass, rubber, some plastics, fabric, and metals.

### RECOMMENDED FOR

- Ceramic
- Glass
- Porcelain
- China
- Pottery
- Plastics\*
- Metal
- Jewelry
- Wood

### NOT RECOMMENDED FOR

- For use on surfaces in direct contact with food
- Outdoor use

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project

### PRODUCT ADVANTAGES

- Bonds porous and non-porous materials
- Bonds close fitting parts within seconds
- Multiple single use tubes to reduce adhesive waste
- Precision applicators

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on back page.



### **SURFACE PREPARATION**

All surfaces must be clean, dry, and free from any loose particles. Surfaces must fit closely together. Screw tip into tube until tube is punctured. To prevent staining, protect all work surfaces prior to use.

### **APPLYING THE PRODUCT**

Apply glue to one surface. Use one drop per square inch of bonding area. Press surfaces together and hold for approximately 1 minute. Do not allow parts to shift during this time. Allow glue to set for 8 minutes prior to handling bonded parts. Full strength will be attained in 8 to 12 hours. Wipe off excess adhesive with acetone. Store in cool, dry place (less than 100°F/38°C). Use within one year of purchase.

**Plastics, Metals, and Non-porous Surfaces:** Plastics, metals, and non-porous surfaces that can be bonded with CERAMIC PROJECTS include aluminum, brass, PVC, fiberglass, rubber, neoprene, nylon, ABS, and polystyrene. CERAMIC PROJECTS cannot be used to bond polyethylene or polypropylene.

1. Apply a drop of glue to one of the surfaces to be bonded.
2. Spread the bead to cover the surface to be bonded.
3. Join the surfaces together and let stand for 1 minute.
4. Allow 8 hours before light use and 12 hours before normal use.

### **CLEAN-UP**

Wipe any excess glue with cloth and acetone.

### **DISPOSAL**

Contains organic constituents which may cause adverse effects to the environment if disposed of improperly. Allow unused portions to air-dry before placing in normal refuse for disposal. Do not place partially-filled containers in open fires. EAD-C13

### **LIMITED WARRANTY**

Satisfaction guaranteed when handled and applied according to label instructions. Labor and cost of labor are excluded. Call 1-800-634-0015 for warranty details. This warranty gives specific legal rights, which may vary from state to state.

**WARNING! COMBUSTIBLE. BONDS EYES AND SKIN INSTANTLY. MAY CAUSE EYE AND SKIN BURNS. CAUSES RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE ALLERGIC SKIN AND RESPIRATORY REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.** 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, soak in warm soapy water and carefully peel or roll skin apart (Do not pull!). If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, 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 discomfort, remove to fresh air. If discomfort persists or 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. MAC135-0108**

### **LN-202**

### **TECHNICAL INFORMATION**

**Color:** Clear, viscous liquid

**Application Temperature:** 40° to 120° F  
(5° to 50° C)

**Service Temperature:** 32° to 175° F  
(0° to 80° C)

**Consistency:** Viscous liquid

**Shear Strength (steel to steel):** >1,000 psi

**Durability:** Excellent

**Flexibility:** Rigid

**Water Resistance:** Excellent

**Freeze-Thaw Stability:** Does not freeze

**Staining:** Can discolor some surfaces

**Odor:** Mild solvent

**Set Time (Initial Cure):** 60 seconds

**Open Time (Working Time):** 30 seconds

**Paintability:** Not applicable

**Viscosity:** >200 CPS

**Flammability:** Non-flammable

**Flash Point:** 185° F (85° C)

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 963 g/L

**LN-700**

**Interior & Exterior**

## ***A fast bonding, permanent weather resistant adhesive for most common materials.***

### **PRODUCT DESCRIPTION**

LIQUID NAILS® Small Projects Repair Adhesive, LN-700, is a construction grade adhesive that is fast-bonding and permanent for most common materials. It works where a hammer and nails can't.

### **RECOMMENDED FOR**

This product bonds all common household building materials, including:

- Wall tile
- House numbers
- Vinyl cove base
- Concrete
- Brick veneer
- Countertops
- Soap dishes
- Wood
- Drywall patches
- Stone
- Ceramics
- Metal
- Towel racks
- Corkboard
- Aluminum
- Carpeting
- Shelving
- Moldings

### **NOT RECOMMENDED FOR**

- Sheet goods
- Wood flooring
- Ceiling applications
- Underwater applications

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project

### **PRODUCT ADVANTAGES**

- Fast-bonding
- Permanent
- Weather resistant
- Resealable cap / Precision applicator
- Sandable
- Paintable / Stainable
- Works where hammer & nails can't
- Allows repositioning for up to 20 minutes
- Handy squeeze tube

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page.



### SURFACE PREPARATION

Surfaces must be clean, dry, and free of loose particles. Apply in well ventilated area.

### APPLYING THE PRODUCT

Apply a bead of adhesive to one surface. For best results, join surfaces together within 10 minutes. Tape or brace as needed until adhesive has dried, typically 24 hours. Parts may be repositioned for up to 20 minutes after joining. For faster tack or "grab", apply adhesive, press parts together, then pull back apart for 1 to 3 minutes, press parts back together.

**Ceramic and other tile:** For decorative tiles, wall inlay panels or cork tiles, apply 3 or 4 ribbons of adhesive to wall and press tile into place. Heavy tile may require bracing for 24 hours.

**Wood:** Apply a bead of adhesive to the back of trim and press into place. For wood strips, apply 2 ribbons of adhesive to the back of each strip and press into place.

**Drywall:** To serve as a backing for drywall patches, adhere strips of wood 3" (7.6 cm) longer than the hole, behind the opening with adhesive and allow to dry 24 hours. Use LN 700 adhesive to affix properly sized patch to the wood backing strips and finish edges in the conventional manner.

**Countertops:** Peeling countertops can be secured by applying LN-700 to base and pressing firmly. Use a clamp to temporarily hold the countertop in place.

**Vinyl cove base:** Apply 2 beads of adhesive to back and press firmly to wall.

**Shelving:** Apply a bead of adhesive to back of brackets. Press brackets firmly against wall. Pull assembly apart and let air-dry for 5-8 minutes, allowing the adhesive to set. Press brackets back into place and hold with masking tape for 48 hours.

### CLEAN-UP

Water for wet adhesive. Scraping, followed by wiping with a clean cloth dampened with mineral spirits, for dried adhesive.

### DISPOSAL

Place **empty** containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

### LIMITED WARRANTY

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING!** CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. POTENTIAL CANCER HAZARD. CONTAINS FORMALDEHYDE WHICH HAS BEEN SHOWN TO CAUSE UPPER RESPIRATORY TRACT CANCER AND ALLERGIC RESPIRATORY REACTION. MAY CAUSE ALLERGIC SKIN REACTION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. This product contains a chemical known to the state of California to cause cancer. Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.** MAC62-1106

### LN-700

### TECHNICAL INFORMATION

**Base:** Latex

**Type:** Waterborne

**Color:** White

**Appearance:** Smooth

**Application Temperature:**

40° to 100° F (4° to 38° C)

**Service Temperature:**

-20° to 140° F (-29° to 60° C)

**Adhesion:** Excellent to most common materials

**Extrudability:** Very easy to gun at room temperature

**Consistency:** Short, non sag

**Bridging:** Excellent;

Bridges gaps up to 3/8" (1 cm)

**Shear Strength:**

24 hours – 350 psi

48 hours – 450 psi

7 days – 500 psi

**Durability:** Excellent;

Estimated to exceed 40 years

**Flexibility:** Good

**Sag:** Non sag in normal use

**Water Resistance:** Very good

**Exterior Weathering:** Not recommended

**Aging:** Excellent

**Freeze-Thaw-Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Very mild latex

**Drying Time:** Completely dry in two weeks

**Paintability:** Paintable with oil or latex

**Weight Per Gallon:** 11 pounds (4.99 kg)

**Viscosity:** 200,000 CPS

**Solids:** 60%

**Volatiles:** 40%

**Flammability:** Nonflammable

**Flash Point:** >205° F (96° C)

**Coverage:**

4 oz. (120 ml) 12 lineal ft. using 1/4" bead

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 20 g/L

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

LN-206

Interior

## *A special no-drip formula for easy repairs and do-it-yourself projects.*

### PRODUCT DESCRIPTION

LIQUID NAILS® Adhesive Wood Projects Repair Adhesive (LN-206) is a special no-drip formula that stays put. For use in woodworking and wood repair projects. The adhesive is non-flammable, dries quickly, and will not run on vertical surfaces for faster finishing and less clean up.

### RECOMMENDED FOR a variety of uses including:

- Tables
- Cabinets
- Chairs
- Benches
- Paper/cloth
- Hobbies
- Veneers
- Clocks
- Shelving
- Furniture
- Ready-to-assemble furniture

**NOT RECOMMENDED FOR** sheet goods, wood flooring or ceiling applications.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project

### PRODUCT ADVANTAGES

- No-drip formula
- Resealable cap / Precision applicator
- Water clean-up
- For fast, easy repairs
- Quick grabbing
- Fast drying
- Sandable
- Paintable

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page.



### **SURFACE PREPARATION**

Surfaces must be clean, dry and structurally sound. Remove paint, varnish and old glue.

### **APPLYING THE PRODUCT**

**General application:** Apply a thin adhesive bead evenly to one surface. If necessary, clamp materials for 30 minutes. Allow to dry overnight before handling.

**Woodworking projects:** Make sure that all parts fit snugly together. Apply a thin bead of adhesive evenly to one surface. Clamp for 30 minutes. Allow to dry overnight before handling.

**Furniture projects/repairs:** Make sure that joints fit snugly together. Apply a thin adhesive bead evenly to one surface. Clamp for 30 minutes. Allow to dry overnight before handling.

**Paper, cloth or other porous materials:** Apply a bead and spread evenly on one surface. Press surfaces together. Clamp or apply weight overnight, if necessary. Allow to dry.

### **CLEAN-UP**

Wet adhesive can be cleaned up with a damp cloth. Dried adhesive can be scraped away or sanded.

### **DISPOSAL**

Place empty containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

### **LIMITED WARRANTY**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

### **LN-206**

### **TECHNICAL INFORMATION**

**Base:** Polyvinyl acetate emulsion

**Type:** Waterbase

**Color:** Off White

**Appearance:** Smooth paste

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

**Service Temperature:** 0° to 140° F  
(-18° to 60° C)

**Adhesion:** Excellent to wood

**Consistency:** Smooth

**Shear Strength (ASTM D 905):** >1500 psi

**Oxidation Resistance (158° F / 70° C):**  
Good at 500 hrs.

**Durability:** Good

**Flexibility:** Hard

**Water Resistance:** Fair

**Exterior Weathering:** Not recommended

**Aging:** Good

**Freeze/Thaw Stable:** Yes

**Bleed:** None

**Staining:** None

**Odor:** Slight

**Working Time:** 15 minutes

**Drying Time:** 30 minutes

**Clamp Time:** 30 minutes

**Handling Time:** 16 hours

**Paintability:** Good

**Sandability:** Good

**Weight Per Gallon:** 9.3 pounds (4.22 kg)

**Viscosity:** 110,000 CPS

**Volatiles:** 44%

**Solids:** 56%

**Flammability:** Non-flammable

**Flash Point:** None

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 36 g/L

**WARNING! HARMFUL OR FATAL IF SWALLOWED. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.** MDS10-0805

**CAULKS, SEALANTS  
& WATERPROOFING**





# ACOUSTICAL

## Sound Sealant

AS-825

Interior

**An elastic, durable latex sealant designed to reduce sound transmission in all types of wall systems.**

### PRODUCT DESCRIPTION

LIQUID NAILS® Acoustical Sound Sealant, AS-825, is an elastic, durable latex sealant designed to reduce sound transmission in all types of wall systems. LIQUID NAILS Acoustical Sound Sealant has been tested per ASTM E 90 for acoustical properties. This product has also been tested per ASTM E 84 for flame spread and smoke generation. Acoustical Sound Sealant is non-flammable and adheres well to most construction surfaces. Maintains the specific Sound Transmission Class (STC) value of wall systems. UL Classified - R27050.

### RECOMMENDED FOR

- Wood
- Oriented Strand Board
- Steel Studs
- Brick
- Foamboard
- Gypsum Board
- Particleboard
- Concrete
- Plywood
- Insulation Board
- Cementboard
- Drywall
- Concrete Masonry Units (CMUs)
- Greenboard

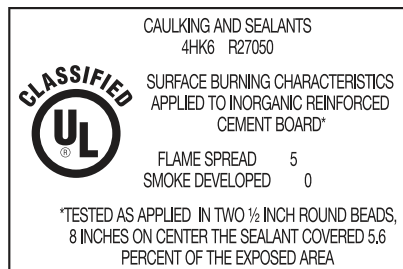
**NOT RECOMMENDED FOR** water immersion conditions, sealing around PVC piping, use between non-porous surfaces, plastics.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

*Look for other LIQUID NAILS products which are right for your specific project.*

### PRODUCT ADVANTAGES

- UL Classified - R27050
- Reduces Sound Transmission
- Remains Flexible
- Water Clean-Up
- Non-Flammable
- Very Low Odor
- VOC Compliant



Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page.





**TESTING AND CLASSIFICATION:** Meets requirements of ASTM C834 Standard Specification for Latex-based Sealing Compounds. Testing using the following methods:

ASTM C731	ASTM C732	ASTM C733
ASTM C734	ASTM C736	ASTM D217
ASTM D2202	ASTM D2203	ASTM D2377

Also tested in accordance with:

ASTM E84: Surface Burning Characteristics

ASTM E90: Acoustical Sealants

### **SURFACE BURNING CHARACTERISTICS:**

- Flame spread: 5
- Smoke developed: 0

### **SURFACE PREPARATION**

Surfaces must be clean, dry, and free of loose material.

### **APPLYING THE PRODUCT**

Cut nozzle to provide ¼" (6mm) opening. Puncture seal inside spout and insert cartridge into caulking gun. Apply ¼" (6mm) beads under runners at the ceiling and floor. Sealant should also be applied to all openings including cutouts, electrical boxes, perimeter joints, and other areas where sound transmission and air infiltration may occur. For further reference, see ASTM C 919 Standard Practice for Use of Sealants in Acoustical Applications.

### **CLEAN-UP**

Water for wet sealant. For dried adhesive, scraping, followed by wiping with cloth to which mineral spirits has been applied.

### **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**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING! 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. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE:** 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. **This product contains a chemical known to the state of California to cause cancer.** Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **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 discomfort, remove to fresh air. If discomfort persists or 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.** MAC29-0705

## **AS-825**

### **TECHNICAL INFORMATION**

**Base:** Ethylene vinyl acrylic

**Type:** Water-based latex

**Color:** White

**Appearance:** Smooth paste

**Application Temperature:**

40° to 100° F (3° to 38° C)

**Service Temperature:**

-10 to 200° F (-23° to 93° C)

**Adhesion:** Good to most common building substrates

**Extrudability:** Excellent

**Consistency:** Gun grade caulk

**Durability:** Good

**Elongation:** 50%

**Flexibility:** Good

**Volume Shrinkage:** 29%

**Slump:** Less than 0.15"

**Shore "A" Hardness:** 70 to 75

**Total Joint Movement:** 10% max

**Water Resistance:** Good

**Exterior Weathering:** Good

**Ageing:** Will not become brittle

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Mild latex

**Tack Free Time:** 20 minutes

**Drying Time:**

Sets in 24-48 hours

Allow 72 hours to completely dry

**Weight Per Gallon:** 14 pounds (6.3 kg)

**Viscosity:** 400,000 CPS

**Solids:** 78%

**Flammability:** Non-flammable

**Flash Point:** Greater than 200° F (93° C)

**Coverage:** Approximately 86 lineal ft.

(26.21 lineal meters) using 1/4" (.64cm) bead

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 34 g/L

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015



# All Purpose Adhesive Caulk plus Silicone

AC-138

Indoor & Outdoor

**High performance vinyl acrylic adhesive caulk plus silicone that bonds and seals.**

### PRODUCT DESCRIPTION

LIQUID NAILS® All-Purpose Adhesive Caulk, AC-138, is specially formulated to bond like an adhesive and seal like a caulk. This high performance acrylic adhesive caulk also has silicone added for superior adhesion and flexibility. Provides a mildew resistant seal and resists dirt and dust. Stays white and can be painted.

### RECOMMENDED FOR sealing:

- Tubs
- Showers
- Wood
- Countertops
- Ceiling/wall joints
- Sinks
- Bathroom Fixtures
- Vanities
- Siding & trim
- Vents/ducts
- Corner Joints
- Baseboards
- Window/door frames
- Utility outlets
- Moldings

AC-138 is also recommended for bonding:

- Ceramic tiles
- Corkboard
- Backsplashes
- Aluminum
- Moldings
- Metal/wood trim
- Concrete/masonry/brick
- Plastic
- Vinyl cove base
- Plaster/drywall
- Wood
- Fiberglass/glass

**NOT RECOMMENDED FOR** use below the water-line, automotive uses, on aquariums, on top of silicone, wet or green wood. Excessive joint movement might be experienced as wet or green wood dries.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### PRODUCT ADVANTAGES

- Bonds and seals most surfaces
- Paintable
- Superior adhesion & flexibility
- Gives mildew resistant seal
- Paintable
- Water clean-up
- Resists dirt & dust
- Stays bright white



Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page. MDSF1-0292



# All Purpose

## Adhesive Caulk plus Silicone

### **SURFACE PREPARATION**

Clean and dry surface thoroughly before applying this product. Remove any old caulk or paint. Fill any deep joints with backer rod to within 1/2" of surface. AC-138 should be applied in dry weather at temperatures above 40°F (4°C). Do not caulk outdoors with this product when rain is expected within 24 hours.

### **LEAD PRE:**

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD.

### **APPLYING THE PRODUCT**

**Cartridge:** Load AC-138 cartridge into standard caulking gun. Cut nozzle at 45° angle for desired bead size (marked on nozzle).

**Squeeze tube:** Knead tube to soften contents. Cut tip at 45° angle where marked for desired bead size.

Apply continuous bead into gap, using uniform pressure to fill completely. Smooth over with wet gloved finger or tool. Caulk skins over within 10 minutes and should be level with the surface. If used as an adhesive, complete assembly within 10 minutes.

**Painting Guidelines:** Paintable with oil or latex paint. For best results, wait 24 hours, longer under humid conditions.

### **CLEAN-UP**

Use water or mineral spirits when wet. When dry, scrape away or use mineral spirits.

### **DISPOSAL**

Place empty containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

### **LIMITED WARRANTY**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

**WARNING!** CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.

**NOTICE:** Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin.

**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. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush **immediately** with plenty of water for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical help.** For emergency information, customer service, MSDS or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING. MDS19-1100

### **AC-138 White**

### **TECHNICAL INFORMATION**

**Base:** Vinyl Acrylic

**Type:** Water borne

**Color:** Bright white

**Appearance:** Smooth Paste

**Application Temperature:** 40° to 100° F  
(4° to 38° C)

**Service Temperature:** -20 to 200° F  
(-29° to 93° C)

**Adhesion:** Good to most  
common building substrates

**Extrudability:** Excellent

**Shear Strength:** 24 hours – 300 psi  
7 days – 380 psi

**Consistency:** Smooth paste

**Durability:** Excellent

**Flexibility:** Good to -10° F (-23° C)

**Volume Shrinkage:** 40%

**Slump:** Max 0.15"

**Shore "A" Hardness:** 60

**Water Resistance:** Good

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Mild Acrylic

**Aging:** Will not become brittle

**Tack Free Time:** Tack at drying time – none  
Tack at 24 hours – none

**Drying Time:** Sets in 24 hours. Allow 5 days to  
completely dry

**Weight Per Gallon:** 12.5 pounds (5.54 kg)

**Viscosity:** 350,000 to 400,000 CPS

**Solids:** 75%

**Flammability:** Nonflammable

**Flash Point:** Greater than 200°F (93°C)

**Coverage:** Cartridge - 30 lineal ft. (9.14 lineal  
meters) using 1/4" (.64cm) bead; Squeeze  
tube - 17 lineal ft. (5.18 lineal meters) using  
1/4" (.64cm) bead

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 28 g/L

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
Strongsville, OH 44136

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Customer Service 1-800-634-0015



# Clear Seal

All purpose sealant

CS-144

Exterior & Interior



**A premium clear sealant that seals and bonds all surfaces. Clearer than silicone.**

### PRODUCT DESCRIPTION

LIQUID NAILS® CLEAR SEAL™ All-Purpose Sealant, CS-144, is a premium grade clear sealant that seals and bonds most surfaces and most common building materials. This sealant is clearer than silicone sealants. It gives a watertight, mildew resistant seal. Provides excellent adhesion, durability and flexibility. Paintable. 50 Year Durability Guarantee.

### RECOMMENDED FOR

 sealing and waterproofing:

- Glass/fiberglass
- Metal
- Rubber
- Window & door frames
- Concrete

### NOT RECOMMENDED FOR

CS-144 is not recommended for use on polystyrene foam insulation, tub surrounds, below the waterline, on aquariums, automotive uses, on top of silicone, or wet or green lumber. Excessive joint movement might be experienced as wet or green wood dries.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### PRODUCT ADVANTAGES

- Bonds and seals most surfaces
- Stays crystal clear
- Permanent elasticity
- Watertight seal
- Gives mildew-resistant seal
- Clearer than silicone
- Excellent adhesion & flexibility
- Paintable
- 50 Year Durability Guarantee
- Use on similar & dissimilar surfaces

### DANGER! FLAMMABLE. HARMFUL OR FATAL IF SWALLOWED.

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF2-1100





# Clear Seal

All purpose sealant

## SURFACE PREPARATION

Clean and dry surface thoroughly before applying this product. Remove any old caulk. Fill any deep joints with backer rod to within 1/2" of surface. Sealant should be applied in dry weather at temperatures above 40°F (4°C). For easier gunning in cold weather, condition sealant to room temperature prior to use. Do not use this product when rain is expected within 24 hours.

## APPLYING THE PRODUCT

**Cartridge:** Load cartridge into standard caulking gun. Cut nozzle at 45° angle for desired bead size (marked on nozzle). Puncture inner seal with nail or wire.

**Squeeze tube:** Knead tube to soften contents. Cut tip at 45° angle where marked for desired bead size.

**To apply product,** start at back end and squeeze towards nozzle. Using consistent pressure, apply continuous bead into gap at 45° angle. Do not tool. Sealant skins over within 5 minutes.

**Painting Guidelines:** Oil or latex paint after 24 hours. Humidity may extend drying time.

## CLEAN-UP

When wet, clean up with mineral spirits. Dried sealant can be scraped or cut away.

## 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

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### **DANGER! FLAMMABLE.**

**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 BE HARMFUL IF ABSORBED THROUGH SKIN. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**NOTICE:** 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. 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 each 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, 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 discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical attention.** **For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.** MDS44-0705

## CS-144

### TECHNICAL INFORMATION

**Base:** Synthetic rubber

**Type:** Solvent release

**Color:** Water clear

**Appearance:** Smooth gel

**Application Temperature:** 40° to 100° F  
(3° to 38° C)

**Service Temperature:** -10 to 140° F  
(-23° to 60° C)

**Adhesion:** Excellent to a wide variety of substrates

**Extrudability:** Good

**Consistency:** Gun grade sealant

**Durability:** Excellent-remains flexible for years of service

**Elongation:** Greater than 350% at room temperature

**Flexibility:** Flexible to -10°F (-23°C)

**Volume Shrinkage:** 47%

**Slump:** Max 0.15"

**Shore "A" Hardness:** 40 to 60

**Joint Movement:** 25% max

**Water Resistance:** Excellent

**Exterior Weathering:** Excellent

**Aging:** Excellent-under UV will not harden or lose clarity

**Freeze-Thaw Stable:** Will not freeze

**Odor:** Solvent

**Tack Free Time:**

Tack at drying time - none

Tack at 24 hours - none

**Drying Time:** Sets in 24 hours.

Allow 5 days to completely dry

**Weight Per Gallon:** 7.3 pounds (3.29 kg)

**Viscosity:** 500,000 CPS

**Solids:** 60%

**Flammability:** Flammable

**Flash Point:** 55°F (13°C)

**Coverage:** Cartridge (145) - 30 lineal ft.

(9.14 lineal meters) using 1/4" (.64cm) bead;

Squeeze tube (144) - 17 lineal ft.

(5.18 lineal meters) using 1/4" (.64cm) bead

**Shelf Life:** 12 months from date of purchase

**Specifications:** Meets performance requirements of ASTM C-920-87

**VOC:** 355 GPL

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015

# Concrete & Mortar Repair

HIGH PERFORMANCE FORMULA PLUS SILICONE • Indoor/Outdoor

**AN ACRYLIC COMPOUND WITH SILICONE FOR REPAIRING AND SEALING CRACKS AND JOINTS IN CONCRETE OR MASONRY.**

## PRODUCT DESCRIPTION

LIQUID NAILS® Concrete & Mortar Repair, CR-805, is a weather-resistant indoor/outdoor acrylic compound with silicone, ideal for repairing and sealing cracks and joints in concrete and masonry surfaces. This easy-gunning sealant dries gray similar to concrete or can be painted. CR-805 helps to prevent ice and water damage.

## RECOMMENDED FOR

This product is recommended for repairing cracks in any concrete surface including:

- Driveways
- Sidewalks
- Basement floors
- Carports
- Walls
- Steps
- Garage floors
- Patios
- Thresholds

CR-805 is also recommended for sealing joints between:

- Concrete
- Cinder Block
- Brick
- Stucco
- Stone
- Mortar

## NOT RECOMMENDED FOR

CR-805 is not recommended for use around fireplaces, or for joints larger than 1/2".

*Look for other LIQUID NAILS products which are right for your specific project.*

*Research all concrete repair instructions and materials before starting project.*

## PRODUCT ADVANTAGES

- Extended outdoor durability
- Acrylic compound with silicone for extra water resistance
- Flexible
- Prevents ice and water damage
- Indoor / outdoor
- Easy gunning
- Paintable / topcoatable
- Water clean-up

Product Number	Size	Product UPC	Case Pack
AHE80512GR0 83	10.3 fl. oz. (309 ml)	0 22078 80572 1	12
Case Dimensions	Case Weight	Cases/Pallet	
8.07" x 6.07" x 12.02" (W x D x H)	13.92 lbs. (6.21kg)	96	

Read label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF1-0292

# LIQUID NAILS®

## BRAND

## TOUGH REPAIR



# CR-805

# Concrete & Mortar Repair

**HIGH PERFORMANCE FORMULA PLUS SILICONE • Indoor/Outdoor**

Please read entire label for safety, health and environmental information prior to use.

## SURFACE PREPARATION

Make sure that all surfaces are clean, dry and structurally sound before applying this product. Fill any deep joints with solid filler to within 1/2" (1.27 cm) of surface. CR-805 should only be applied in dry weather at temperatures above 40°F (5°C). Do not use this product when rain is expected within 24 hours.

## APPLYING THE PRODUCT

Load CR-805 cartridge into standard caulking gun. Cut nozzle at 45° angle for desired bead size (marked on nozzle). Puncture inner seal with nail or wire. Apply continuous bead of CR-805 into gap, using uniform pressure to fill completely. Smooth over completely with wet, gloved finger or tool. Sealant skins over within 10 minutes, and should be level with surface.

**Painting Guidelines:** CR-805 sets in 24 hours. Paintable with oil and latex paint. May be topcoated with concrete sealer.

## CLEAN-UP

For best results, use *LIQUID NAILS® Adhesive & Caulk Remover*. Use water to clean up while wet. Dried sealant can be scraped off or cut away.

## Disposal

Place empty containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

## Limited Warranty

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

## WARNING!

**HARMFUL OR FATAL IF SWALLOWED. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

Contains Crystalline Silica. If sanding is done, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin.

**FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical help.**

For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. **KEEP FROM FREEZING.**

MDS22-1100

# LIQUID NAILS®

## BRAND

## TOUGH REPAIR

### TECHNICAL INFORMATION

**Product No.:** CR-805

**Base:** Siliconized acrylic latex

**Type:** Water borne

**Color:** Concrete gray

**Appearance:** Smooth paste

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

**Service Temperature:** -40° to 160° F  
(-40° to 71° C)

**Adhesion:** Good to excellent to most common building materials

**Extrudability:** Good

**Consistency:** Gun grade caulk

**Durability:** Excellent

**Flexibility:** Excellent

**Volume Shrinkage:** 14%

**Slump:** 0.15"

**Shore "A" Hardness:** 50 to 60

**Water Resistance:** Excellent

**Artificial Weathering:** Excellent

**Exterior Weathering:** Excellent

**Aging:** Good

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Mild acrylic

**Tack Free Time:** 30 minutes

**Drying Time:** 24 hours to set; allow 5 days to completely dry

**Weight Per Gallon:** 12.3 pounds (5.54 kg)

**Viscosity:** 400,000 CPS

**Solids:** 80%

**Flammability:** Nonflammable

**Flash Point:** Greater than 200°F (93°C)

**Coverage:** 30 lineal feet (9.14 lineal meters) using 1/4" (.64cm) bead

**Total Joint Movement Capacity:** 25% max

**Shelf Life:** 12 months from date of purchase

**Max VOC:** 31 GPL

# LIQUID NAILS®

Division of:



**MACCO**  
925 Euclid Ave.  
Cleveland, OH 44115

800-634-0015  
[www.liquidnails.com](http://www.liquidnails.com)



Energy Saving\*

# Multi-Purpose

LRS-280

Exterior & Interior

**Indoor/outdoor latex caulk is ideal for most building materials.**

### PRODUCT DESCRIPTION

LIQUID NAILS® Energy Saving\* Multi-Purpose Caulk (LRS-280) is a paintable, low odor, latex-based caulking compound that offers easy gunning on indoor and outdoor projects. It is easy to use and cleans up easily with water.

*\*based on USEPA Energy Star program recommendations*

### RECOMMENDED FOR caulking around:

- Window/door frames
- Plaster
- Brick
- Siding & trim
- Painted surfaces
- Vinyl
- Moldings
- Baseboards
- Plumbing fixtures
- Glass
- Metal
- Sinks & countertops
- Backsplashes
- Wood
- Concrete & masonry
- Electrical outlets
- Stucco
- Aluminum
- Drywall

**NOT RECOMMENDED FOR** applications below the water-line, in aquariums, automotive uses, wet or green wood, or on top of silicone, gaps wider than 1/2".

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### PRODUCT ADVANTAGES

- Seals out moisture, air and dust
- Adheres to most common building materials
- Easy to gun and tool at temperatures over 40°F (3°C).
- Can be painted with oil or latex based paints within one hour
- Good sag control
- Water clean-up

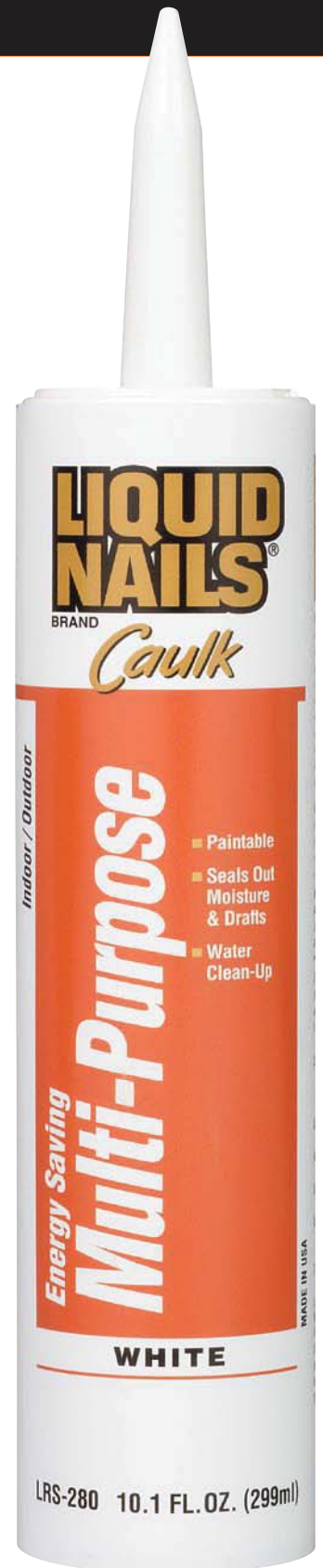
### SURFACE PREPARATION

Apply in dry weather above 40°F (3°C). Do not caulk when rain is expected. Remove old caulk. Clean and dry surface. Remove any soap film with rubbing alcohol.

Fill deep joints with backer rod to within 1/2" of surface.

**Lead PRE:** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD.

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF1-0292







Energy Saving\*

# Multi-Purpose

## APPLYING THE PRODUCT

Load LRS-280 cartridge into standard caulking gun. Cut nozzle at 45° angle for desired bead size (marked on nozzle). Using consistent pressure, apply continuous bead into gap at 45° angle. Smooth over with wet gloved finger or tool until **LEVEL** with surface. Caulk skins over within 10 minutes. Let dry 24 hours before exposing to water. Humidity may extend dry time.

**Painting Guidelines:** Oil or latex after 24 hours. Humidity may extend dry time.

## CLEAN-UP

Use water or mineral spirits when wet. When dry, scrape away or use mineral spirits.

## 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

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

## WARNING!

**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. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**NOTICE:** 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. Avoid contact with eyes and skin. **FIRST AID:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby, 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 discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical attention.** **For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.** MDS24-0705

\*based on USEPA Energy Star program recommendations

## LRS-280

### TECHNICAL INFORMATION

**Base:** Ethylene vinyl acrylic

**Type:** Water-based latex

**Color:** White

**Appearance:** Smooth paste

**Application Temperature:** 40° to 100° F  
(3° to 38° C)

**Service Temperature:** -10 to 200° F  
(-23° to 93° C)

**Adhesion:** Good to most common building substrates

**Extrudability:** Excellent

**Consistency:** Gun grade caulk

**Durability:** Good

**Elongation:** 50%

**Flexibility:** Good

**Volume Shrinkage:** 29%

**Slump:** Less than 0.15"

**Shore "A" Hardness:** 70 to 75

**Total Joint Movement:** 10% max

**Water Resistance:** Good

**Exterior Weathering:** Good

**Ageing:** Will not become brittle

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Mild latex

**Tack Free Time:** 20 minutes

**Drying Time:** Sets in 24-48 hours.

Allow 72 hours to completely dry

**Weight Per Gallon:** 14 pounds (6.3 kg)

**Viscosity:** 400,000 CPS

**Solids:** 78%

**Flammability:** Nonflammable

**Flash Point:** Greater than 200°F (93°C)

**Coverage:** Approximately 30 lineal ft.

(9.14 lineal meters) using 1/4" (.64cm) bead

**Shelf Life:** 12 months from date of purchase

**MAX VOC:** 34 g/L

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
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[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015



CONTRACTOR GRADE

# Painter's Caulk

LC-135

Exterior & Interior

**A flexible, paintable vinyl acrylic latex caulk for indoor and outdoor use.**

### PRODUCT DESCRIPTION

LIQUID NAILS® Painter's Caulk (LC-135) is flexible, paintable and gives a mildew resistant seal. It can be used for a variety of indoor and outdoor applications. This easy-working caulk cleans up with water and can be painted over after one hour. 15 Year Quality Guarantee.

### RECOMMENDED FOR caulking around:

- Baseboards
- Wood
- Metal
- Drywall
- Molding
- Concrete
- Electrical & utility outlets
- Window & door frames
- Siding & trim
- Painted surfaces
- Stucco
- Brick
- Masonry
- Plaster
- Glass
- Stone

**NOT RECOMMENDED FOR** applications below the water-line, in aquariums, kitchens or bathrooms, or on top of silicone or wet or green wood. Excessive joint movement might be experienced as wet or green wood dries.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

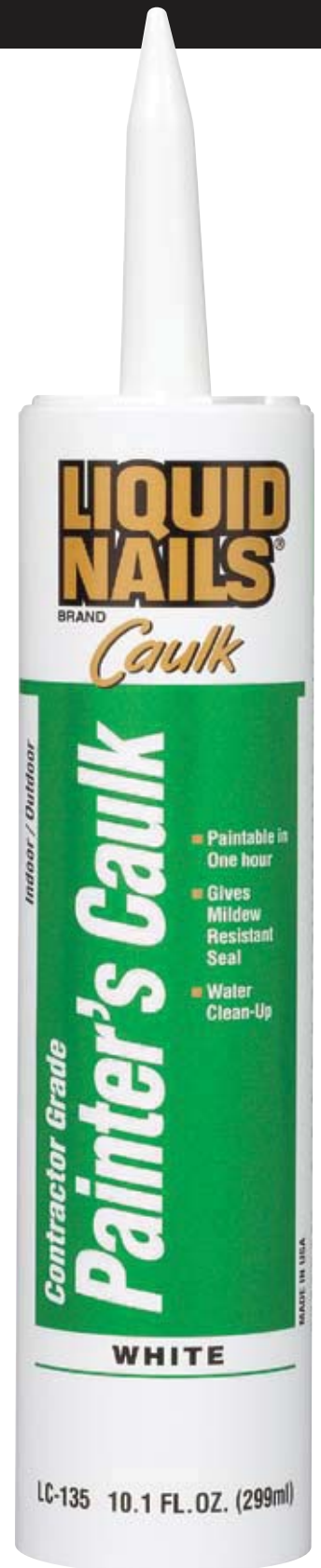
### PRODUCT ADVANTAGES

- Flexible acrylic caulk
- Indoor/outdoor uses
- Paintable after 1 hour
- Gives mildew resistant seal
- Water clean-up
- 15 Year Quality Guarantee

### SURFACE PREPARATION

Clean and dry surface thoroughly before applying this product. Remove any old caulk or paint. Fill deep joints with solid filler to within 1/2" of surface. LC-135 should only be applied in dry weather at temperatures above 40°F. Do not caulk with this product when rain is expected within 24 hours.

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF1-0292





CONTRACTOR GRADE

# Painter's Caulk

## APPLYING THE PRODUCT

Load LC-135 cartridge into standard caulking gun. Cut nozzle at 45° angle for desired bead size (marked on nozzle). Apply continuous bead of LC-135 into gap, using uniform pressure to fill completely. Smooth over with wet finger or tool. Caulk skins over within 10 minutes, and should be level with surface.

## PAINTING GUIDELINES

Oil or latex after 24 hours. Humidity may extend dry time.

## CLEAN-UP

Use water or mineral spirits when wet. When dry cut or scrape away. To remove residue, wipe with cloth dampened with mineral spirits.

## 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

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

## WARNING!

**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. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**NOTICE:** 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. Avoid contact with eyes and skin. **FIRST AID:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby, 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 discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical attention.** **For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.** MDS24-0705

## LC-135

### TECHNICAL INFORMATION

**Base:** Vinyl Acrylic  
**Type:** Water borne  
**Color:** White  
**Appearance:** Smooth  
**Application Temperature:** 40° to 100° F  
(-18° to 38° C)  
**Service Temperature:** -20° to 120° F  
(-29° to 49° C)  
**Adhesion:** Good to most common building substrates  
**Extrudability:** Excellent  
**Consistency:** Gun grade caulk  
**Durability:** Very good  
**Elongation:** 200%  
**Flexibility:** Very good  
**Volume Shrinkage:** 25%  
**Slump:** Max 0.15"  
**Shore "A" Hardness:** 65 to 70  
**Joint Movement:** 8% max  
**Water Resistance:** Good  
**Exterior Weathering:** Very good  
**Ageing:** Will not become brittle  
**Freeze-Thaw Stable:** Passes 5 cycles  
**Bleed:** None  
**Staining:** None  
**Odor:** Mild latex  
**Tack Free Time:** Tack at drying time - none; tack at 24 hours - none  
**Drying Time:** Sets in 24-48 hours. Allow 72 hours to completely dry.  
**Weight Per Gallon:** 14 pounds (6.3 kg)  
**Viscosity:** 400,000 CPS  
**Solids:** 83%  
**Flammability:** Nonflammable  
**Flash Point:** Greater than 200°F (93°C)  
**Coverage:** Using 1/4" (.6 cm) bead, 30 lineal feet (9 lineal meters)  
**Shelf Life:** 12 months from date of purchase  
**MAX VOC:** 28 g/L

Akzo Nobel Paints LLC  
15885 West Sprague Rd.  
Strongsville, OH 44136

[www.liquidnails.com](http://www.liquidnails.com)

Customer Service 1-800-634-0015



# Roof Repair

**RR-808**

**Exterior**

## ***Tough, flexible sealant ideal for waterproofing, repairing and sealing roofs.***

### **PRODUCT DESCRIPTION**

LIQUID NAILS® Roof Repair (RR-808) is a tough, flexible sealant that stops leaks fast around chimneys, flashings, roof decks, vents and other roof areas. Ideal for waterproofing, repairing and sealing roofs. RR-808 withstands even extreme temperature conditions. It works on wet roofs, and can be applied even in rain or snow. Does not freeze.

**RECOMMENDED FOR** repairing and sealing leaks and openings around:

- Chimneys
- Loose shingles
- Roof decks
- Roof vents
- Flashing
- Copings
- Parapet walls

**NOT RECOMMENDED FOR** uses other than those stated.

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### **PRODUCT ADVANTAGES**

- Seals leaks in all weather
- Extended outdoor durability
- Weatherproof
- Ideal for waterproofing, repairing and sealing roofs
- Tough, flexible sealant
- Works on wet roofs
- Does not freeze

### **SURFACE PREPARATION**

Clean surface as much as possible under existing weather conditions before applying this product. Fill any deep joints with solid filler to within 1/2" of surface. Apply RR-808 at temperatures above 32°F (0°C). For easier gunning in cold weather, sealant should be conditioned to room temperature prior to use.

**DANGER! COMBUSTIBLE.**  
**HARMFUL OR FATAL IF SWALLOWED.**

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF5-1100





# Roof Repair

## APPLYING THE PRODUCT

Load RR-808 cartridge into standard caulking gun. Cut nozzle at 45° angle for desired bead size (marked on nozzle). Puncture inner seal with nail or wire. Push RR-808 sealant as far as possible into gap using firm, uniform pressure. Apply sufficient sealant to leave a bead of at least 1/4" (.64 cm) around repaired and sealed surface. Level any excess sealant with a trowel or putty knife. Let dry 24 hours.

## CLEAN-UP

Use mineral spirits when wet. When dry, use *LIQUID NAILS™ Adhesive & Caulk Remover*, or scrape away.

## 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

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

## DANGER! 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. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**NOTICE:** 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. 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 each 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 discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical attention.** *For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.* MDS9-0805

## RR-808

### TECHNICAL INFORMATION

**Base:** Asphalt  
**Type:** Solvent release  
**Color:** Black  
**Appearance:** Long paste  
**Application Temperature:** 32° to 100° F  
(0° to 38° C)  
**Service Temperature:** -15° to 140° F  
(-26° to 60° C)  
**Adhesion:** Good to excellent to most common building materials  
**Extrudability:** Good  
**Consistency:** Smooth, buttery  
**Durability:** Excellent  
**Flexibility:** Excellent  
**Volume Shrinkage:** 20%  
**Slump:** Max 0.15"  
**Shore "A" Hardness:** 25  
**Water Resistance:** Excellent  
**Artificial Weathering:** Excellent  
**Exterior Weathering:** Excellent  
**Aging:** Excellent  
**Freeze-Thaw Stable:** Will not freeze  
**Odor:** Solvent/asphalt  
**Tack Free Time:** Tack at drying time - none  
Tack at 24 hours - none  
**Drying Time:** 24 hours  
**Weight Per Gallon:** 10.2 pounds (4.59 kg)  
**Viscosity:** 700,000 CPS  
**Solids:** 84% - 87%  
**Flammability:** Combustible  
**Flash Point:** 105°F (40°C)  
**Coverage:** 30 lineal feet (9.14 lineal meters) using 1/4" (.64cm) bead  
**Shelf Life:** 12 months from date of purchase  
**Specifications:** Federal Specification SS-C-153 Type I  
**Max VOC:** 258 GPL



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Strongsville, OH 44136

Division of:



**Paints**



# Silicone

Premium Universal Sealant

LS-205

Exterior & Interior

## A high performance silicone sealant that won't shrink or crack.

### PRODUCT DESCRIPTION

LIQUID NAILS® Silicone Premium Universal Sealant (LS-205) is a high performance sealant for superior water resistance and flexibility. Won't shrink or crack. Withstands harsh temperatures. Ideal for window and door frames, siding and trim and plumbing fixtures.

### RECOMMENDED FOR sealing and waterproofing:

- Window/door frames
- Chair railings
- Showers
- Tiles
- Siding & trim
- Vanities
- Baseboards
- Sinks
- Plumbing fixtures
- Moldings
- Bathtubs
- Pipes

### LS-205 also adheres to:

- Masonry (primed)
- Stone (primed)
- Wood
- Stucco
- Concrete (primed)
- Brick (primed)
- Glass
- Metal
- Plaster (primed)
- Painted surfaces
- Aluminum
- Vinyl

### NOT RECOMMENDED FOR

- Unprimed concrete, brick, masonry, plaster & stone
- Below the waterline
- Wet, green or oily lumber
- Aquariums
- Marble
- Fireplaces
- Automotive uses
- Stove pipes

Please research all installation instructions and read entire label for safety, health & environmental information prior to use.

Look for other LIQUID NAILS products which are right for your specific project.

### PRODUCT ADVANTAGES

- Remains flexible
- Gives a mildew resistant seal
- Waterproof seal
- Ideal for high moisture areas
- Indoor/outdoor
- Excellent durability
- Won't crack or shrink
- Great for Kitchen & Bath

### AVAILABLE COLORS

- White
- Clear

### DANGER! HARMFUL OR FATAL IF SWALLOWED.

Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page. MDSF8-0301





# Silicone

## Premium Universal Sealant

### **SURFACE PREPARATION**

Apply in dry weather above 40°F. Do not use when rain is expected. Remove old caulk. Clean and dry surface. Remove any soap film with rubbing alcohol. Fill deep joints with backer rod to within 1/2" (1.27 cm) of surface.

### **APPLYING THE PRODUCT**

Load cartridge into standard caulking gun. Cut nozzle at 45° angle for desired bead size (marked on nozzle). Puncture inner seal with nail or wire. Apply continuous bead into gap at 45° angle, using consistent pressure to fill completely. Smooth over bead with tool until level with surface. Sealant skins over within 20 minutes. Allow 24 hours to dry before exposing to water. Humidity may affect dry time.

### **CLEAN-UP**

Use mineral spirits when wet or scrape away when dry.

### **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**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

### **DANGER!**

**CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES RESPIRATORY TRACT IRRITATION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**NOTICE:** 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. Avoid contact with eyes and skin. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeat applications may be needed. Remove contaminated clothing. For eye contact, flush **immediately** with large amounts of water, for at least 15 minutes. **Obtain medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical help.** **For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.** MAC109-0603

### **LS-205**

### **TECHNICAL INFORMATION**

**Base:** Silicone rubber

**Type:** Acetoxy cure

**Color:** Clear or white

**Appearance:** Smooth

**Application Temperature:** 10° to 100° F  
(-12° to 38° C)

**Service Temperature:** -62° to 450° F  
(-52° to 232° C)

**Adhesion:** Excellent to most common building substrates

**Extrudability:** Good

**Consistency:** Gun grade caulk

**Durability:** 50 year

**Elongation:** 400%

**Flexibility:** Excellent

**Volume Shrinkage:** Less than 5%

**Slump:** Max 0.15"

**Shore "A" Hardness:** 25

**Joint Movement:** 25%

**Water Resistance:** Excellent

**Exterior Weathering:** Excellent

**Aging:** Excellent

**Freeze-Thaw Stable:** Passes 5 cycles

**Bleed:** None

**Staining:** None

**Odor:** Slightly acidic

**Tack Free Time:**

Tack at drying time - 15 minutes

Tack at 24 hours - none

**Drying Time:** Sets in 24 hours

**Weight Per Gallon:** 8.7 pounds (3.94 kg)

**Viscosity:** 400,000 CPS

**Solids:** 100%

**Flammability:** Non-flammable

**Flash Point:** 100° to 110°F (38° to 43°C)

**Coverage:** 30 lineal feet (9.14 lineal meters)  
using 1/4" (.64 cm) bead

**Shelf Life:** 12 months from date of purchase

**Max VOC:** 30 g/L

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Customer Service 1-800-634-0015



# TUB & TILE

## Acrylic Latex Caulk **Plus Silicone**

**TC-10**

**Interior**

**A vinyl acrylic tub & tile caulk which gives a water-resistant and mildew resistant seal.**

### PRODUCT DESCRIPTION

LIQUID NAILS® Super Caulk Tub and Tile, TC-10, is a vinyl acrylic caulk with silicone which gives a water- and mildew-resistant seal. TC-10 is unaffected by temperature extremes. Flexible and durable with excellent adhesion. This product is strong enough to reset tiles. Easy to apply and clean up.

### RECOMMENDED FOR

This product is recommended for sealing around:

- Bathtubs
- Sinks
- Backsplashes
- Tub surrounds
- Vanities
- Plumbing fixtures
- Showers
- Countertops
- Windows & doors

TC-10 adheres to:

- Ceramic tiles
- Tileboards
- Porcelain
- Wood
- Painted surfaces
- Plastic tiles
- Vinyl
- Aluminum
- Drywall
- Glass
- Tub surrounds
- Metal
- Marble
- Plaster
- Fiberglass

### NOT RECOMMENDED FOR

TC-10 is not recommended for:

- On top of silicone
- Gaps wider than 1/2'
- Aquariums
- Wet or green lumber
- Applications below water-line

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### PRODUCT ADVANTAGES

- Water-resistant
- Durable
- Stays flexible
- Excellent adhesion
- Water clean-up
- Gives mildew resistant seal
- Strong enough to reset loose tiles
- Unaffected by temperature extremes
- Easy to apply and clean-up

### LEAD PRE

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly filtered respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD.



Read label and Material Safety Data Sheet prior to use.  
See other cautions on last page. MDSF1-0292





# TUB & TILE

## Plus Silicone

### **SURFACE PREPARATION**

Apply in dry weather above 40° F (4°C). Remove old caulk. Clean and dry surface. Remove any soap film with rubbing alcohol.

### **APPLICATION**

Fill deep joints with backer rod to within 1.3 cm (1/2") of surface. Load into caulking gun. Cut nozzle at 45° angle for desired bead size. Apply continuous bead into gap at 45° angle. Smooth over with wet gloved finger or tool until level with surface. Caulk skins over within 10 minutes. Let dry 24 hours before exposing to water. Humidity may extend dry time.

### **CLEAN-UP**

Use water or mineral spirits when wet. When dry, scrape away or use mineral spirits.

### **COVERAGE**

Cartridge: 30 lineal ft. with 1/4" bead. Squeeze tube: 17 lineal ft. with 1/4" bead.

### **PAINTING GUIDELINES**

Oil or latex after 24 hours. Humidity may extend dry time.

### **DISPOSAL**

Place **empty** containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C8

### **LIMITED WARRANTY**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

### **WARNING!**

**CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

Contains Crystalline Silica. If sanding is done, wear a dust mask to avoid breathing of dust. Avoid contact with eyes and skin. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be necessary. Remove contaminated clothing. For eye contact, flush **immediately** with large amounts of water for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical help.** **For emergency information, customer service, MSDS or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.** MDS19-1100

### **TC-10**

#### **TECHNICAL INFORMATION**

**Base:** Vinyl acrylic  
**Type:** Waterborne  
**Color:** White  
**Application Temperature:** 40° to 100° F (4° to 38° C)  
**Service Temperature:** -20° to 200° F (-29° to 93° C)  
**Adhesion:** Good to most common bath & kitchen surfaces: ceramic tile, porcelain, glass, aluminum  
**Extrudability:** Excellent  
**Consistency:** Paste  
**Durability:** Excellent  
**Flexibility:** Excellent  
**Volume Shrinkage:** 40%-45%  
**Slump:** Max 0.15"  
**Shore "A" Hardness:** 60  
**Joint Movement:** %15 maximum  
**Water Resistance:** Good  
**Exterior Weathering:** Good  
**Aging:** Good  
**Freeze-Thaw Stable:** Passes 5 cycles  
**Bleed:** None  
**Staining:** None  
**Odor:** Mild Latex  
**Tack Free Time:** 10 minutes  
**Drying Time:** Sets in 24 hours  
**Weight Per Gallon:** 10.2 pounds (4.6 kg)  
**Viscosity:** 350,000 to 400,000 CPS  
**Solids:** 75%  
**Flammability:** Nonflammable  
**Flash Point:** Greater than 200°F (93°C)  
**Coverage:** Using 1/4" (.64cm) bead: cartridge-30 lineal feet (9.14 lineal meters); squeeze tube-17 lineal ft. (5.18 lineal meters)  
**Shelf Life:** 12 months from date of purchase  
**MAX VOC:** 28 g/L

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Customer Service 1-800-634-0015



# Window & Door

Acrylic Latex Caulk plus SILICONE

LC-130

Indoor & Outdoor

**An indoor/outdoor flexible, acrylic caulk with silicone for added water resistance.**

### PRODUCT DESCRIPTION

LIQUID NAILS® Super Caulk Window & Door, LC-130, is an indoor/outdoor caulk with superior flexibility. It provides an air- and water-tight seal. Contains silicone and will not crack or peel. LC-130 adheres to all surfaces. Available in: Almond, Clear, Gray, Sandstone and White.

### RECOMMENDED FOR for caulking around:

- Moldings
- Wood
- Brick
- Glass
- Painted surfaces
- Metal
- Vinyl
- Siding & trim
- Concrete
- Baseboards
- Aluminum
- Electrical & utility boxes
- Window/door frames
- Plaster
- Stucco
- Masonry
- Stone

### NOT RECOMMENDED FOR

- Applications below water line
- Wet or green lumber
- On top of silicone
- Automotive uses
- Aquariums
- Gaps wider than 1/2"

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

Look for other LIQUID NAILS products which are right for your specific project.

### PRODUCT ADVANTAGES

- Superior flexibility & durability
- Water resistant
- Will not crack or peel
- Premium all-weather protection
- Paintable\*
- Adheres to all common construction surfaces
- Indoor / outdoor uses
- Easy water clean-up
- 40 Year Durability Guarantee

\*Paintable in two hours with oil or latex paint. For best results, wait 24 hours before painting.

### AVAILABLE COLORS

- Almond
- Clear
- Gray
- Sandstone
- White

Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on back page.





# Window & Door

Acrylic Latex Caulk **plus SILICONE**

## **SURFACE PREPARATION**

Clean and dry surface thoroughly before applying this product. Remove any old caulk. Fill any deep joints with backer rod to within 1/2" of surface. Sealant should be applied in dry weather at temperatures above 40°F (4°C). Do not use this product when rain is expected within 24 hours.

## **APPLYING THE PRODUCT**

**Cartridge:** Load cartridge into standard caulking gun. Cut nozzle at 45° angle for desired bead size (marked on nozzle). Using consistent pressure, apply continuous bead into gap at 45° angle. Smooth over with wet gloved finger or tool until level with surface. Caulk skins over within 10 minutes.

**Painting Guidelines:** Paintable with oil or latex paint. For best results, wait 24 hours, longer under humid conditions.

## **CLEAN-UP**

Use water or mineral spirits when wet. When dry, scrape away or use mineral spirits.

## **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-C8

## **LIMITED PROFESSIONAL WARRANTY**

AkzoNobel warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** AkzoNobel shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

## **WARNING!**

**CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. CONTAINS ETHYLENE GLYCOL WHICH CAN CAUSE SEVERE KIDNEY DAMAGE WHEN INGESTED AND HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS.**

**USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**FIRST AID:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby, 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 discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical attention.** *For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.* MAC92-1100

## **LC-130**

### **TECHNICAL INFORMATION**

**Base:** 100% Acrylic Latex

**Type:** Water borne

**Color:** Available in 5 colors, see front of data sheet

**Appearance:** Smooth

**Application Temperature:** 40° to 100° F (4° to 38° C)

**Service Temperature:** -20 to 120° F (-29° to 49° C)

**Adhesion:** Excellent to most common building substrates

**Extrudability:** Excellent

**Consistency:** Gun grade caulk

**Durability:** Excellent

**Elongation:** 150%

**Flexibility:** Excellent

**Volume Shrinkage:** 25%

**Slump:** Max 0.15"

**Shore "A" Hardness:** 50

**Water Resistance:** Very Good

**Exterior Weathering:** Excellent

**Aging:** Will not become brittle

**Bleed:** None

**Staining:** None

**Freeze-Thaw Stable:** Passes 5 cycles

**Odor:** Mild Acrylic

**Tack Free Time:** Tack at drying time - none

Tack at 24 hours - none

**Drying Time:** Allow 72 hours to completely dry

**Weight Per Gallon:** 13.5 pounds (6.12 kg)

**Viscosity:** 400,000 CPS

**Solids:** 82%

**Flammability:** Nonflammable

**Flash Point:** Greater than 200°F (93°C)

**Coverage:** Using 1/4" (.64cm) bead: 30 lineal ft. (9.14 lineal meters) for 3 standard windows or 1 door

**Total Joint Movement Capability:** 14% max

**Shelf Life:** 12 months from date of purchase

**Specifications:** Meets ASTM C-834 performance requirements

**Max VOC:** 27 g/L

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Customer Service 1-800-634-0015



# Window Glazing

**GC-17**

**Indoor/Outdoor**

***An acrylic glazing compound with silicone for glazing glass, metal or wood surfaces.***

### **PRODUCT DESCRIPTION**

LIQUID NAILS® Window Glazing GC-17 is an acrylic glazing compound with silicone ideal for metal, wood, painted or unpainted glass, plastic glass, steel or wood sash and all types of aluminum. Special square self-tooling nozzle makes application easier. GC-17 provides extra adhesion and water-and weather-resistance. Quick-drying and paintable.

### **RECOMMENDED FOR GLAZING**

- Metal
- Painted or unpainted glass
- Plexiglass
- Steel or wood sash bedding
- Glass
- All types of aluminum
- Wood

GC-17 is also recommended for bedding glass or plastic in wood or metal.

### **NOT RECOMMENDED FOR**

- Applications below water line
- On top of silicone
- Aquariums
- Wet or green lumber

*Please research all installation instructions and read entire label for safety, health & environmental information prior to use.*

*Look for other LIQUID NAILS products which are right for your specific project.*

### **PRODUCT ADVANTAGES**

- Extended outdoor durability
- Glazes a variety of materials
- Easy glazing nozzle
- Extra adhesion
- Water-resistant
- Paintable
- Fast drying & paintable
- Water clean-up



Read Label and Material Safety Data Sheet Prior to Use.  
See other cautions on last page. MDSF1-0292



# Window Glazing

## **SURFACE PREPARATION**

Remove any old caulk, glazing, putty or peeling paint. Clean rusted surfaces by wire brushing and prime with rust preventative primer. No primer is needed on clean, bare wood. GC-17 should only be applied in dry weather at temperatures above 40°F (4°C). Do not use this product when rain is expected within 24 hours.

## **LEAD PRE:**

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

## **APPLYING THE PRODUCT**

Load cartridge into caulking gun. Puncture inner seal by inserting long nail or wire into nozzle. Using consistent pressure, apply continuous bead to area.

## **CLEAN-UP**

Use soap and water when wet. When dry, use *LIQUID NAILS™ Adhesive & Caulk Remover* or scrape away.

## **DISPOSAL**

Place empty containers in normal refuse for disposal. Remove residual product from the container, allow product to dry, and dispose of in conjunction with normal household waste. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use of unused caulks and sealants. EAD-C9

## **LIMITED WARRANTY**

Macco warrants satisfaction with this product when handled and applied according to label instructions. If this product is not as warranted, please call 1-800-634-0015 for refund or product replacement details. This 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.** Macco shall not be liable for any special, incidental or consequential damages. Some states do not allow the exclusion of incidental or consequential damages, so the limitations may not apply. This warranty gives specific legal rights. You may also have other rights that vary from state to state.

## **WARNING! HARMFUL OR FATAL IF SWALLOWED. CAUSES EYE, SKIN & RESPIRATORY TRACT IRRITATION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

Contains Crystalline Silica. If sanding is done, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush immediately with large amounts of water for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical help.** For emergency information, customer service, MSDS information or additional safety and chronic hazard information, call 1-800-634-0015. **KEEP FROM FREEZING.** MDS22-1100

## **GC-17**

### **TECHNICAL INFORMATION**

**Base:** Siliconized acrylic latex

**Type:** Water borne

**Color:** White

**Appearance:** Smooth paste

**Application Temperature:** 40° to 100° F  
(4° to 38° C)

**Service Temperature:** -40° to 160° F  
(-40° to 71° C)

**Adhesion:** Excellent to glass, primed wood  
aluminum, vinyl

**Extrudability:** Good

**Consistency:** Gun grade caulk

**Durability:** Excellent

**Flexibility:** Very good

**Volume Shrinkage:** 25%

**Slump:** Max 0.15"

**Shore "A" Hardness:** 50 to 60

**Water Resistance:** Good

**Artificial Weathering:** Very good

**Exterior Weathering:** Very good

**Aging:** Very good

**Freeze-Thaw-Stable:** Passes 5 cycles

**Odor:** Mild acrylic

**Tack Free Time:** Tack at drying time - none  
Tack at 24 hours - none

**Drying Time:** 1 hour to set

**Weight Per Gallon:** 12.3 pounds (5.54 kg)

**Viscosity:** 500,000 CPS

**Solids:** 81%

**Flammability:** Nonflammable

**Flash Point:** Greater than 200° F (93.3°C)

**Coverage:** Using 1/4" (.6 cm) bead - 30 lineal feet  
(9 lineal meters) or 2 to 3 standard windows per  
10.3 oz. cartridge

**Total Joint Movement Capability:** 15% max

**Shelf Life:** 12 months from date of purchase

**Specifications:** Meets ASTM-C-699-75

**MAX VOC:** 27 GPL



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Division of:



**Paints**