

# LP LEGACY® PREMIUM SUB-FLOOR ADHESIVE TECHNICAL DATA AND INSTRUCTIONS FOR USE

## TECHNICAL CHARACTERISTICS

Base	Single Component Polyurethane
Consistency	Collapsible Gel Adhesive
Curing System	Moisture Cure at Room Temperature
Curing Time*	About 4 Hours
Skin Formation*	About 20 Minutes
Full Strength*	About 24 Hours
Post Expansion	Minimal
Shear Strength (Wet Lumber) (ASTM D3498)	209 PSI
Shear strength (Dry Lumber) (ASTM D3498)	422 PSI
Shear Strength (Frozen Lumber) (ASTM D3498)	302 PSI
Moisture Resistance (ASTM D3498)	163 PSI
Temperature Resistance	-40° F to +194° F +248° F (up to Max. 1 Hour)

\*Measured at 68° F/65% R.H. These values may vary depending on ambient factors such as temperature, humidity and type of substrate.

## PRODUCT DESCRIPTION

LP Legacy® Premium Sub-Floor Adhesive is a ready-to-use, single-component, high-strength, fast-curing polyurethane adhesive that collapses to a gel immediately after dispensing. It is used for clean, efficient and economical permanent sub-floor bonding in building and construction. LP Legacy Premium Sub-Floor Adhesive does not contain CFCs or HCFCs.

## PRODUCT CHARACTERISTICS:

- One can of LP Legacy Premium Sub-Floor Adhesive replaces up to 12 quart cartridges of traditional adhesive.
- Saves application time (up to 25%) and money over the use of traditional adhesives.
- Excellent initial bond, even at low temperatures.
- Economical in use due to constant discharge of glue under pressure.
- Can be applied at temperatures between 40° F and 95° F.
- Limited post expansion for fast and precise installation of sub-floors.
- Substantial space and weight savings compared to conventional PU adhesives, bonding mortars, etc.
- Fast curing.
- Solvent-free.
- Resistant to a variety of solvents, paints and chemicals.
- Does not age or rot.
- Mold and mildew resistant.
- Not UV resistant.



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## **PRODUCT CHARACTERISTICS (CONTINUED):**

- Water-resistant (not watertight).
- Sticks to wet or frozen lumber.
- Can prevent floors from squeaking.
- Tested according to ASTM D3498.

## **APPLICATION:**

- Clean, efficient and economical permanent bonding of all common types of sub-floor decking.
- Other horizontal construction adhesive applications.

## **FORM OF DELIVERY:**

*Color:* Orange

*Packaging:* 29 oz. aerosol can (12 per box)

## **SHELF LIFE:**

18 months from date of production in unopened packaging with cool (40° F to 77° F) and dry storage. Cans must be stored upright to prevent blockage of spray valve. Once opened, keep container tightly closed and use within a short period of time.

## **SUBSTRATES:**

- All usual substrates such as plywood, lumber (frozen, wet or treated), OSB, particle board, concrete, metals, masonry, stone and plaster.
- Adhesive surfaces must be stable, clean, without bubbles and free of separating agents such as talcum, grease, oils, etc.
- Not suitable for use on substrates with a water film or standing water.
- Any cement slurries and sinter layers on mineral substrates must be removed mechanically.
- Does not adhere to PE, PP, PTFE and silicone.
- All substrates should be tested for suitability with regard to adhesion and compatibility.

## **HAZARDS:**

Persons already sensitized to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product is not to be used under conditions of poor ventilation. Gas/vapor spreads at floor level: ignition hazard.

## **INSTRUCTIONS FOR USE:**

Prior to using the product, cover all adjacent areas for protection against soiling. In windy conditions, precautions must be taken to ensure that LP Legacy® Premium Sub-Floor Adhesive cannot contaminate components, objects or persons in the vicinity.

### **Good ventilation must be ensured for indoor use. The product is flammable during dispensing.**

Wear protective goggles and gloves. Tightly screw the can to the thread in the gun and shake the gun about 30 seconds with the valve pointing downwards so that the contents are mixed well to ensure an optimum adhesive quality and high yield. After extended periods of non-use, the can must be shaken again to obtain the required adhesive quality. With the control knob on the gun, adjust the adhesive bead to the required diameter of about 1/2". (The emptier the can, the more the control knob needs to be opened). The can must be held vertical during application.

1. Apply the adhesive in uniform beads of 1/2" centrally onto the mounting structural supports. A distance of 3/8" to 3/4" must be maintained between the gun nozzle and substrate while spraying.
2. Place the sub-floor decking onto the gel adhesive no more than 20 minutes after dispensing. Do not remove and reapply panels as this will damage the adhesive structure and reduce the adhesive strength substantially. At high temperatures and low humidity in particular, curing can be accelerated by lightly spraying the adhesive bead with water.
3. Once the panels are set, and while keeping pressure, secure the boards additionally with mechanical fasteners.



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**GENERAL NOTE:**

Do not load/subject the sub-floor decking to traffic within the curing time. LP Legacy® Premium Sub-Floor Adhesive can be painted or plastered after curing.

**APPLICATION TEMPERATURE:**

Surface: +0° F to +95° F

Can Temperature: +40° F to +77° F (optimal +59° F to +77° F). If required, slowly bring the can to the optimal temperature by placing in cool water.

**CLEANING:**

With FOAM CLEANER or SWIPEX prior to curing, subsequently with PU REMOVER or remove mechanically.

**SAFETY RECOMMENDATIONS:**

Observe the standard industrial hygiene procedures. Wear protective goggles and gloves. Remove cured adhesive mechanically, never remove with a flame. For further information on product safety and handling, refer to the information on the container.

**STANDARDS AND APPROVALS:**

- ASTM D3498



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**⚠ CAUTION:** KEEP OUT OF REACH OF CHILDREN. For professional use only. KEEP AWAY FROM HEAT (>50 °C/122 °F), SPARKS AND OPEN FLAME. DO NOT PUNCTURE OR INCINERATE CAN. DO NOT EXPOSE TO DIRECT SUNLIGHT. USE ONLY IN WELL VENTILATED AREAS. In case of eye contact, flush eye with water for 15 minutes and get immediate medical attention. For inhalation, move to fresh air. For skin contact, wash thoroughly with water and soap. If swallowed, drink large quantities of water, but do not induce vomiting. Call a physician immediately. Refer to SDS for further information.