

## PL Premium Polyurethane Construction Adhesive

### Product Description

PL<sup>®</sup> Premium Polyurethane Construction Adhesive is a polyurethane based one-component, moisture-curing adhesive. It is VOC compliant and contains no chlorinated solvents or water. PL Premium provides superior adhesion to most common construction materials. It can be used for interior or exterior projects and is three times as strong as conventional solvent base construction adhesives.

### Use

PL Premium Polyurethane Construction Adhesive was designed for sub-floor installations and meets specifications AFG-01 and ASTM D 3498. It can also be used on polystyrene foam, wood, metal, fiberglass, masonry, ceramic tile, marble, OSB, and most common types of building materials.

### Advantages

- Interior / exterior
- Resistant to moisture, dampness and temperature changes
- Fast cure
- Non-staining
- VOC < 50 g/l (3.5% by weight)

### Installation

To ensure positive adhesion, make sure that all surfaces to be joined are clean and free of dirt and foreign material. Cut and prefit work to prevent mistakes and to ensure professional results. Cut small opening in spout and puncture inner foil seal. Because of PL Premium's unusual strength, much less adhesive is needed compared to traditional construction adhesives. Place cartridge in caulking gun and apply by forcing adhesive onto surface. When working on rough, uneven surfaces, use enough adhesive to fill gaps. PL Premium will bridge up to 3/8" gaps. Use mechanical fasteners to hold the substrates in place until the adhesive has fully cured. Drying time may vary, depending on the humidity and temperature. Many applications will develop full strength in 24 hours. Material may be repositioned up to 30 minutes without losing adhesive strength.

### Clean Up

PL Premium is difficult to remove from skin or clothing. **It is highly recommended that gloves be worn. Cured adhesive can only be removed by sanding or scraping.** Immediately after use, clean up spills, excessive adhesive and tools with mineral spirits following solvent manufacturers precautions.

### Limitations

- Not recommended for use on ABS or polystyrene tub surrounds

### Specifications

Meets or exceeds AFG-01, ASTM D 3498, ASTM-C557 and conforms to HUD UM 60a.

#### PHYSICAL PROPERTIES

<b>Type:</b>	Urethane
<b>Viscosity:</b>	400,000 to 600,000 cps
<b>Weight/gal:</b>	10.5 lbs.
<b>Flash Point:</b>	250°
<b>Freeze-thaw:</b>	Will not freeze
<b>VOC</b>	<50 g/l
<b>Volatile, Weight:</b>	Approx. 3.5%
<b>Working Time:</b>	30 minutes
<b>Initial Set:</b>	< 8 hours
<b>Full Cure:</b>	< 3 days
<b>Application Temp.:</b>	20° F - 100° F (lower temperatures may require warming of cartridge prior to use.
<b>Service Temp.:</b>	- 10° F - 200° F

#### ASTM D 3498 TEST RESULTS

<b>Substrate type</b>	<b>24 hrs.</b>	<b>7 days</b>
Plywood to Douglas Fir	541 lbs	848 lbs
Plywood to treated lumber	861 lbs	1000 lbs
Metal to Douglas Fir	313 lbs	313 lbs
Foam to foam	37 lbs S	37 lbs S
OSB to OSB	354 lbs	544 lbs
Frozen Douglas Fir to Frozen Douglas Fir	360 lbs	828 lbs

S = Foam Failure

# TECHNICAL DATA SHEET



## PL Premium Polyurethane Construction Adhesive

### Packaging

10.6 oz (313 ml) cartridges, 12 pack, 13 lbs  
29 oz (857 ml) cartridges, 12 pack, 32 lbs

### Coverage

10.6 oz, 1/4" bead: Approx. 30 lin.ft./cartridge  
29 oz, 1/4" bead: Approx. 90 lin.ft./cartridge

### Shelf Life

12 months from date of manufacture, unopened.

### Warning

Contains hydrotreated light petroleum distillate, methylene bisphenyl diisocyanate, talc, silicon dioxide. May cause eye irritation. May cause dermatitis and allergic responses. Repeated or prolonged contact with skin may cause sensitization. Avoid contact with skin, eyes, and clothing. Inhalation of vapors may cause irritation and intoxication with headaches, dizziness and nausea. Avoid breathing of vapors. Open all doors and windows to ensure fresh air entry during application and until all odors are gone. Ingestion may cause irritation.

### KEEP OUT OF REACH OF CHILDREN

### First Aid

In case of skin contact, wash off quickly with plenty of water, then soap and water. If in eyes, flush thoroughly with plenty of water for 15 minutes, seek medical attention. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, seek immediate medical attention.

For additional information, please refer to the MSDS. For medical emergency, call Chemtrec at (800) 424-9300.

### Warning

This product contains materials listed by the state of California as known to cause cancer, birth defects or other reproductive harm.

### Notice

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain, nervous system, liver and kidney damage. Wash thoroughly after handling. INTENTIONAL MISUSE BY DELIBERATELY INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

### Notice to Purchaser

OSI Sealants Inc. warrants the quality of this product when used according to directions. User shall determine suitability of product for use and assumes all risk. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE NOT EXPRESSLY SET FORTH HEREIN. If not satisfied with the product's performance when used as directed, return sales receipt and used container to OSI Sealants Inc., 7405 Production Drive, Mentor, Ohio 44060 for product replacement. The seller will not accept liability for more than product replacement.

For commercial use contact PL Technical Department at (800) 624-7767 or (440) 255-8900 or visit our website at [www.stickwithPL.com](http://www.stickwithPL.com).

### PL Adhesives & Sealants

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