

# Technical Data Sheet



The Willamette Valley  
Company LLC

www.wilvaco.com

800.333.9826

Partnering through  
service, innovation, and  
integrity

## WESTERN DIVISION

660 McKinley Street  
Eugene OR 97402  
Tel. 800.333.9826

## CANADIAN DIVISION SURREY BRANCH

19081- 27th Avenue  
Surrey BC V3S 5T1  
Tel. 800.663.4298

## TAPEL WILLAMETTE TD. S.A

Av. Estero La Posada 3625  
Coronel, Chile  
Tel. 011.56.42.2 928.100  
www.tapel.cl

## SOUTHERN DIVISION

100 Dixie Mae Drive  
Pineville LA 71361  
Tel. 800 444 9826

# U-100 Synthetic Patch

## Two-Component Polyurethane Wood Filler

### DESCRIPTION

U-100 Synthetic Patch is a two-component urethane system that has found extensive use in upgrading plywood panels, filling voids in laminated beams, mouldings, floor blanks and other wood products. It works well under medium density overlay. U-100 is designed so the set time can be adjusted to suit the customer's needs.

### WHERE TO USE

- Plywood Panels
- Laminated Beams, Moulding, Door Blanks
- Industrial Mill Environments

### FEATURES AND BENEFITS

- APA Approved – quality assurance
- Metering Reduces Waste
- Zero VOC – safer work environment

### PACKAGING

5-gal pails  
Drums  
Totes

### SHELF LIFE

3 months from date of manufacture when properly stored.

### STORAGE

Store this product in a clean, dry, shaded or covered environment above 45°F (7.2°C). DO NOT FREEZE.

## TECHNICAL INFORMATION

### TYPICAL PROPERTIES

Density – lbs / gallon (kg / L)	Part A Resin	12.9 (1.55)
	Part B ISO	10.3 (1.2)
Viscosity, cps, ASTM D 4878	Part A Resin	2350 - 2950 cP
	Part B ISO	170 - 230 cP
Mix Ratio – Part A:B by volume		6:1
Set Time at 77°F (25°C) in seconds Custom set times available upon request		25 to 75
Color		Available in many colors

### APPLICATION

U-100 is metered through Willamette Valley Company's metering equipment and dispensed through a static mix tube. Application should be on wood no hotter than 190° F (87.7°C) with moisture content no greater than 8-12%. U-100 is ready for sanding 1 hour after application. Contact your Willamette Valley Company representative for information about metering equipment.

### ADVANTAGES

Since the resin is mixed in the static mix tube as it is dispensed, only the amount needed is utilized, substantially reducing unnecessary waste.

The polyurethane components are always mixed in the same ratio. This ensures consistency in the final product's properties.

Because both polyurethane components are contained, exposure to the uncured product is reduced. Also, being contained reduces the polyurethane's exposure to moisture, enhancing the quality of the product.

The combined savings in disposal of hazardous waste, material cost, improved productivity, quality and the time saved due to ratio control yields tremendous overall savings.

The Willamette Valley Company also offers an excellent Full Service Warranty.

---

### NOTES

---

This product is supplied to the customer in a ready to use form. Any addition of water or other materials will result in degradation of the product performance.

---

### HEALTH AND SAFETY

---

Before handling, you should become familiar with the Safety Data Sheet (SDS) regarding the risks and safe use of this product. To obtain an SDS please call 800 333 9826 or send an email to: [msds@wilvaco.com](mailto:msds@wilvaco.com).

---

### CONTACT INFORMATION

---

Please see the side bar on this and the front page for the Division nearest to your location.

**THE WILLAMETTE VALLEY  
COMPANY LLC**  
[www.wilvaco.com](http://www.wilvaco.com)  
[info@wilvaco.com](mailto:info@wilvaco.com)

#### OTHER DIVISIONS

**EASTERN DIVISION**  
6662 Marbut Road  
Lithonia, GA 30058-5234  
Tel. 888. 878.9826

**MIDWEST DIVISION**  
1549 Hwy 2  
Two Harbors, MN 55616  
Tel. 218.834.3922

**PERFORMANCE COATINGS**  
990 Owen Loop North  
PO Box 2280  
Eugene, OR 97402  
Tel 541.484.9621  
[www.polyquik.com](http://www.polyquik.com)  
[www.wvcorailroad.com](http://www.wvcorailroad.com)

**PRECISION TECHNOLOGIES  
DIVISION**  
675 McKinley Street  
Eugene, OR 97402  
Tel 541.484.2368  
[www.pre-tec.com](http://www.pre-tec.com)

#### SUBSIDIARIES

**ECLECTIC PRODUCTS INC.**  
Corporate Office  
990 Owen Loop North  
Eugene, OR 97402  
Tel 541.284.4667  
[www.eclecticproducts.com](http://www.eclecticproducts.com)

**IDAHO MILL & GRAIN**  
445 North 430 West Hwy  
PO Box 188  
Malad City, Idaho 83252  
Tel 208.766.2206



---

#### DISCLAIMER OF WARRANTY

TEST RESULTS ARE TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION AND SHOULD NOT BE TREATED AS SPECIFICATIONS. WHILE ALL THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE RELIABLE AND TO REPRESENT THE BEST AVAILABLE DATA ON THESE PRODUCTS, NO GUARANTEE, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE SUITABILITY OF ANY CHEMICAL COMPOUNDS FOR ANY PARTICULAR USE, OR THAT ANY CHEMICAL COMPOUNDS OR USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE SUITABILITY OF ANY PRODUCT FOR ITS INTENDED USE.

W07-R&D-TDS-147  
Revision: May 2019