

# Technical Data Sheet



The Willamette Valley  
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Partnering through  
service, innovation, and  
integrity

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# 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.

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## NOTES

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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.

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## HEALTH AND SAFETY

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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: [sds@wilvaco.com](mailto:sds@wilvaco.com).

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## CONTACT INFORMATION

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

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