

# Technical Data Sheet



**W V C O**

Willamette Valley Company

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Partnering through service,  
innovation, and integrity

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# U-1100 Synthetic Patch

## Two-Component Polyurethane Wood Filler

### DESCRIPTION

U-1100 Synthetic Patch is a two-component urethane system that has found extensive uses in upgrading plywood panels; filling voids in laminated beams, mouldings, door blanks and other wood products. It works well under medium density overlay. U-1100 is designed so the set time can be adjusted to suit the customer's needs.

### WHERE TO USE

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

### FEATURES AND BENEFITS

- APA Approved
- Metering Reduces Waste
- Zero VOC

### PACKAGING

5 gallon 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. DO NOT FREEZE.

## TECHNICAL INFORMATION

### TYPICAL PROPERTIES

Density – lbs / gallon	Part A Resin	12.9 +/-0.4
	Part B ISO	10.3
Viscosity, cps, ASTM D 4878	Part A Resin	2500 +/-400
	Part B ISO	200
Mix Ratio – Part A:B by volume		10:1
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-1100 Synthetic Patch 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 with moisture content no greater than 8-12%. U-1100 is ready for sanding 1 hour after application. For more information regarding application, please contact your Willamette Valley Company representative.

### 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 any hazardous materials is reduced. Also, being contained reduces the polyurethanes exposure to moisture, enhancing the quality of the polyurethane system.

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 B-Side (iso-side) contains methylene diphenyl diisocyanate (MDI). It has extremely low vapor pressure, and therefore is very unlikely to become airborne.

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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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Willamette Valley Company recommends reading and becoming familiar with the Material Safety Data Sheet before using.

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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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##### **IDAHO MILL & GRAIN**

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#### **DISCLAIMER OF WARRANTY**

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