

# Technical Data Sheet



**W V C O**

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Partnering through service,  
innovation, and integrity

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# HU-100 Synthetic Patch

## Dual Cartridge Dispensed Polyurethane Wood Filler

### DESCRIPTION

HU-100 Synthetic Patch is a two-component ambient temperature cured polyurethane (4:1 by ratio) resin system. The resin is solvent-free and composed of 100% non-volatile organic compounds (zero VOC). It is designed to fill and upgrade plywood panels, laminated beams, mouldings, door blanks and other wood products. The two components are mixed and applied using the hand held dual cartridge dispensing equipment.

### WHERE TO USE

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

### FEATURES AND BENEFITS

- APA Approved – quality assurance
- Dual Cartridge Dispensed – use anywhere
- Zero VOC – safer work environment

### PACKAGING

Dual Component  
Cartridge

### SHELF LIFE

1 year 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	14.63
	Part B	10.3
Mix Ratio – Part A:B by volume	4:1	
Set Time at 77°F (25°C) in minutes	1.5 to 2	
Color	Available in many colors	

### APPLICATION

HU-100 polyurethane resin adheres very well to wood. Areas needing to be repaired and filled should be clean of dust, oil and other foreign substances. A dry surface is strongly recommended to minimize foaming. The resin gels in 1.5 to 2 minutes after application. It develops adequate hardness in 30 minutes to permit sanding. HU-100 resin exhibits very low shrinkage during curing. Full cure time is 24 hours after application. For more information regarding application, please contact your Willamette Valley Company representative.

### ADVANTAGES

Since the resin is mixed in the static mixing 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.

Since both polyurethane components are contained, exposure to the uncured resin is reduced. Being contained in the cartridge and mixed in the static mix tube reduces the resin's exposure to moisture, enhancing the quality of polyurethane system.

HU-100 cartridges provide an efficient method of repair, without the need for expensive metering equipment.

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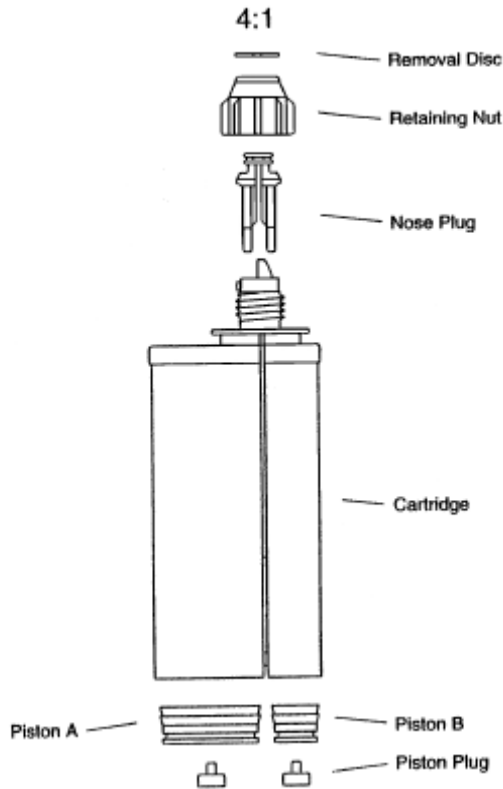
## INSTRUCTIONS FOR USE

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Have defective areas clean and ready. Hold the dual cartridge with the Retaining Nut in an upright position. Remove the metal Removal Disc and save. Rotate the Retaining Nut counter clockwise. Insert the metal Removal Disc, back into the Nose Plug and smoothly pull it out of the cartridge. Attach the mixing tube to the dual cartridge, replace and tighten the retaining nut. Place the dual cartridge into the dispensing gun with the smaller cartridge toward the bottom. Holding the dispensing gun upright, work the trigger until the plungers are snug against the cartridge pistons. Hold the end of the mix tube over a disposal container work the trigger forcing the polyurethane through the mix tube. As it is mixed it will become one color. When it is one color, dispense into the area to be repaired. When the application is finished, back off the plunger from the cartridge piston, remove the mixing tube and replace the nose plug into the cartridge. Replace and tighten the Retaining Nut.

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.

### Cartridge System



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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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