

Technical Data Sheet



W V C O

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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 wood by filling voids in beams, mouldings, door blanks, plywood and other wood products.

WHERE TO USE

- Job Sites
- Industrial Mill Environments
- Laminated Beams, Solid Sawn Beams
- Furniture, Mouldings, Door Blanks

FEATURES AND BENEFITS

- Cured Product Passes 2 Cycle Boil Test
- Cartridge Dispensing - reduces waste
- Zero VOC – safer work environment

PACKAGING

Cartridges 450 ml

SHELF LIFE

6 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	8.49 +/- 0.1
	Part B ISO	10.3 +/- 0.1
Viscosity, cps, ASTM D 4878	Part A Resin	300 +/-50
	Part B ISO	200 +/- 50
Mix Ratio – Part A:B by volume		2:1
Set Time at 77°F (25°C) in seconds		60
Color		Amber Clear

APPLICATION

Processing Parameters

Application Method	2:1 Applicator Gun
Application temp, ° F (° C)	50 to 90 (10 to 32)

1. Precondition cartridge to 70°F (21°C) before dispensing material.
2. Apply the repair material when the substrate temperature is stable and above 50°F (10°C).
3. Attach the supplied mixing tube to the top of the cartridge tube.
4. Dispense material by pumping applicator gun into waste until material is a uniform color coming out of mix tube - continuing to pump, fill the void. **DO NOT STOP UNTIL VOID IS FILLED** otherwise material will cure in mixing tube. Replace mixing tube if material cures in the mixing tube.
5. **IMMEDIATELY** trowel material to level or smooth into void.
6. Allow the material to cure for at least 1-hour at 70°F (21°C). Full cure after at least 24 hours. Cure time will take longer at lower temperatures.

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.

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.

HEALTH AND SAFETY

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

CONTACT INFORMATION

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

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