

# Technical Data Sheet



**W V C O**

Willamette Valley Company

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Partnering through  
service, innovation, and  
integrity

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Pineville LA 71361  
Tel. 800 444 9826

# U-100 MB-NS PF Synthetic Patch

## Two-Component Polyurethane Wood Filler

### DESCRIPTION

U-100 Micro Bubbles-Non Shrink or U-100 MB-NS PF Synthetic Patch Resin is a two-component polyurethane wood filler. It works well in applications that require a long-lasting, smooth finish such as moulding, furniture grade plywood, door blanks, and any application where a smooth surface is required. It is designed with microscopic spheres to allow stain acceptance, machining, and easier sanding. U-100 MB-NS PF incorporates a special ingredient that minimizes product shrinkage on cure and helps maintain the smooth finish.

### WHERE TO USE

- Moulding, Laminated Beams, Door Blanks
- Furniture Grade Milled Lumber
- Plywood Panels
- Industrial Mill Environments

### FEATURES AND BENEFITS

- APA Approved – quality assurance
- Micro-Spheres – stainable, easier to sand and plane
- Special Ingredient - minimized shrinkage
- Smooth Finish – paintable
- Fully REACH Compliant

### PACKAGING

5-gallon pails  
Drums, 55 gallons  
Totes, 330 gallons

### SHELF LIFE

3 months from date of manufacture when properly stored. May require mixing after prolonged storage.

### 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	8.45 (1.01)
	Part B ISO	10.3 (1.24)
Viscosity, cps, ASTM D 4878	Part A Resin	2850 +/- 500
	Part B ISO	200
Mix Ratio – Part A:B by volume		6:1
Set Time in seconds at 77°F (25°C) at 70 mils		25 to 70
Color		Available in many colors

### APPLICATION

Willamette Valley Company metering equipment is highly recommended for the application of U-100 MB-NS PF. The metering equipment is specifically engineered for controlling the mix ratio, temperature, viscosity, and set time for U-100 MB-NS PF. Contact your Willamette Valley Company representative for information about metering equipment.

### ADVANTAGES

Under Proper surface preparation and mixing conditions, U-100 MB-NS PF is fully approved the American Plywood Association for routed defects of up to 2.25" (5.7 cm) in diameter.

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: [msds@wilvaco.com](mailto:msds@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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Revision: November 2014