

Technical Data Sheet



Willamette Valley Company

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Partnering through
service, innovation, and
integrity

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U-100 MB-NS Synthetic Patch

Two-Component Polyurethane Wood Filler

DESCRIPTION

U-100 Micro Balloon-Non Shrink or U-100 MB-NS 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 laminated beams. It is designed with microscopic spheres to allow stain acceptance, and ease of machining and sanding.

WHERE TO USE

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

PACKAGING

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

SHELF LIFE

12 months from date of manufacture when properly stored. Mixing required after prolonged storage.

STORAGE

Store this product in a clean, dry, shaded or covered environment above 7°C for optimal performance. FREEZING TEMPERATURES WILL DAMAGE THE PRODUCT.

FEATURES AND BENEFITS

- APA Approved – quality assurance
- Stainable - easier to sand and plane
- Minimal shrinkage
- Paintable

TECHNICAL INFORMATION

TYPICAL PROPERTIES

Density – lbs / gallon (Kg / L)	Part A Resin	8.66 (1.04)
	Part B ISO	10.3 (1.24)
Viscosity, cps, ASTM D 4878	Part A Resin	4500 +/-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. The metering equipment is specifically engineered for controlling the mix ratio, temperature, viscosity and set time for U-100 MB-NS. Contact your Willamette Valley Company representative for information about metering equipment.

ADVANTAGES

Under Proper surface preparation and mixing conditions, U-100 MB-NS 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.

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.

HEALTH AND SAFETY

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.

CONTACT INFORMATION

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

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DISCLAIMER OF WARRANTY

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