

Technical Data Sheet



W V C O

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Partnering through service,
innovation, and integrity

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CU-100 Synthetic Patch

Two-Component Polyurethane Wood Filler

DESCRIPTION

CU-100 Synthetic Patch is a two-component ambient temperature cured polyurethane (6:1 by ratio) resin system. The resin is solvent-free and composed of 100% non-volatile organic compounds (zero VOC). It is designed and APA approved to fill and up-grade plywood panels, laminated beams, mouldings, door blanks and other wood products. The two components are mixed and applied using WVCO's dispensing and meter equipment.

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 | 13.36 |
| | Part B | 10.3 |
| pH | | 7 |
| Viscosity, cps, ASTM D 4878 | Part A | 4500 |
| | Part B | 200 |
| Mix Ratio – Part A:B by volume | | 6:1 |
| Set Time at 77°F (25°C) in seconds | | 25 to 90 |
| Color | | Available in many colors |

APPLICATION

CU-100 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%. CU-100 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 polyurethane's exposure to moisture, enhancing the quality of 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.

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

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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