**CU-100-S Synthetic Patch**

Two-Component Polyurethane Wood Filler

**DESCRIPTION**

CU-100-S Synthetic Patch is a two-component ambient temperature curable polyurethane (6:1 by ratio) resin system. It is designed for faster sanding and planing. 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 metering equipment.

**WHERE TO USE**

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

**FEATURES AND BENEFITS**

- Designed for Faster Sanding and Planing
- 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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Part A</th>
<th>Part B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density – lbs / gallon</td>
<td>10.8</td>
<td>10.3</td>
</tr>
<tr>
<td>pH</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Viscosity, cps, ASTM D 4878</td>
<td>3500</td>
<td>200</td>
</tr>
<tr>
<td>Mix Ratio – Part A:B by volume</td>
<td>6:1</td>
<td></td>
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<tr>
<td>Set Time at 77°F (25°C) in seconds</td>
<td>25 to 90</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Available in many colors</td>
<td></td>
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</tbody>
</table>

**APPLICATION**

CU-100-S 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-S 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 the 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.