



# Blade Pro Epoxy Adhesive

## DESCRIPTION

Blade Pro Epoxy Adhesive is a two-component, high-performance glue designed specifically for the knife maker. This state of the art adhesive forms super tough, flexible bonds to wood, Micarta, G10, and other composites. Tenacious bonds are developed to non-ferrous metals, as well as stainless, and carbon steel.

Blade Pro Epoxy Adhesive is low in viscosity and is easy to spread. Because of its lower viscosity, it is suitable for both full and hidden tang applications.

<b>Individual Component Properties:</b>			
<b>Resin Properties:</b>		<b>Hardener Properties:</b>	
<b>Viscosity @ 77°F (25°C) cps</b>	11,000	<b>Viscosity @ 77°F (25°C) cps</b>	7,000
<b>Density</b>	9.71	<b>Density</b>	8.07
<b>Color</b>	Clear	<b>Color</b>	Amber
<b>VOC Content</b>	0	<b>VOC Content</b>	0

<b>Mixed System Properties:</b>	
<b>Mixed Viscosity (at room temperature)</b>	7,200
<b>Mix Ratio By Volume (Resin: Hardener)</b>	1:1
<b>Mix Ratio By Weight (Resin: Hardener)</b>	100:86
<b>Minimum Application Temperature</b>	50°F(21°C)
<b>Working Time @ 70°F (21°C)</b>	45 min
<b>Coverage @3-4 mils</b>	400-500 ft <sup>2</sup> / gal.

<b>Cured Properties:</b>	
<b>Full Cure @ 70°F (21°C)</b>	3 Days
<b>Maximum Service Temperature</b>	160°F (71°C)*

\*Blade Pro can endure higher temperatures without bond line failure.

<b>Typical Cured Properties:</b>	
<b>Lap-Shear Strength (psi) ASTM D1002</b>	
<b>Stainless Steel</b>	3,422 psi
<b>Aluminum</b>	3,322
<b>Copper</b>	2,706
<b>Brass</b>	3,582
<b>Mild Steel</b>	3,955

<b>Typical Cured Properties Using Common Knife Materials:</b>	
<b>Lap-Shear Strength (psi) ASTM D5868</b>	
<b>440C with micarta</b>	1,300*
<b>440C with G10</b>	2,760
<b>440C with wood (maple)</b>	1,800*
<b>*Indicates substrate failure before bond line failure</b>	

\*The bond strength is limited to the structural integrity of the composite material.

For health and safety information concerning this product, please refer to the SDS sheets for Blade Pro at [systemthree.com](http://systemthree.com).