



# MetlWeld Epoxy Adhesive TDS

## DESCRIPTION

MetlWeld is a high-performance epoxy adhesive designed to bond tenaciously to a wide variety of metals. It's super tough, making it the ideal adhesive for bonding dissimilar materials. MetlWeld exhibits elastic properties, while remaining rigid.

MetlWeld bonds to stainless steel, galvanized steel, aluminum, copper, brass, glass, ceramic, neoprene rubber, and most porous surfaces.

<b>Individual Component Properties:</b>			
<b>Resin Properties:</b>		<b>Hardener Properties:</b>	
<b>Viscosity @ 77°F (25°C) cps</b>	160,000	<b>Viscosity @ 77°F (25°C)</b>	85,000
<b>Density</b>	10.26	<b>Density</b>	11.14
<b>Color</b>	White	<b>Color</b>	Grey
<b>VOC Content</b>	0	<b>VOC Content</b>	0

<b>Mixed System Properties:</b>	
<b>Mixed Viscosity (at room temperature)</b>	120,000 cps
<b>Mix Ratio By Volume (Resin:Hardener)</b>	1:1
<b>Mix Ratio By Weight (Resin:Hardener)</b>	1:1
<b>Minimum Application Temperature</b>	40°F (4°C)
<b>Working Time @ 70°F (21°C)</b>	3 hours
<b>Coverage @5-8 mils</b>	200-300 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)
<b>Heat Deflection Temperature</b>	125°F (52°C)
<b>Hardness Shore D</b>	82
<b>Lap-Shear Strength (psi) ASTM D1002</b>	
<b>Aluminum</b>	2,524
<b>Stainless Steel</b>	3,135
<b>Brass</b>	3,078
<b>Copper</b>	2,263
<b>Mild Steel</b>	3,513

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