

## UV8107 LOW VISCOSITY UV/VISIBLE LIGHT CURE ADHESIVE

### ● PRODUCT DESCRIPTION

8107 is a very low viscosity, clear, urethane acrylate adhesive for bonding of metal, glass and most engineering plastics with capillary flow properties. 8107 is formulated to cure rapidly under ultraviolet or short wavelength visible light and can also be cured with activator or heat when shadowed bond lines are available. 8107 is clear in thin bond lines closely matching the refractive index of glass. 8107 contain additives for metal bonding as well as additives for adhesion to glass under high humidity and other environmental conditions.

Ultraviolet/Visible Light Cure	100% Solids	Bonds Diverse Substrates
Secondary Activator/Heat Cure	Capillary Flow Properties	Ultra Low Viscosity

### ● CURING PROPERTIES

UV-A	VIS	LED	HEAT
+	+	Can be used with 365nm – 405nm wavelength	110°C @60 min. 120°C @30 min. 150°C @15 min.
Curing @100mW/UV-A		10-15 sec.	

### ● UNCURED PROPERTIES

<b>Base</b>	Urethane Acrylate
<b>Color</b>	Clear
<b>Specific Gravity</b>	1,1
<b>Viscosity (cps)</b>	40-100

### ● CURED PROPERTIES

<b>Hardness Shore D</b>	65-75
<b>Boiling Water Absorption, 2 hrs.</b>	4,7%
<b>Tensile Strength, N/mm<sup>2</sup></b>	15,8
<b>Shear Strength N/mm<sup>2</sup> (SS/SS)*</b>	17,2
<b>Shear Strength N/mm<sup>2</sup> (AL/AL)*</b>	17,2
<b>Elongation %</b>	150-250
<b>Operating Temperature Range °C</b>	-51 to 105

\*Heat Cure: 15 min. @150°C

### ● INSTRUCTIONS FOR USE

UV 8107 is available in several types of packaging. The materials can be used with either pressure/time or positive displacement dispense equipment. All materials should be stored in a cool place when not used for an extended period of time. Do Not Freeze. Shelf life of this product is twelve (12) months between 8°C to 23°C when stored in original sealed container.

