

Product	Optimax® UV-951509
Description	<p>Optimax® UV 951509 is specialised Military Grade UV cured adhesive designed demanding manufacturing applications.</p> <p>Optimax® UV 951509 meets Military specification MIL-810-G.</p> <p>Optimax® UV 951509 is a high viscosity, cure-on-demand structural UV adhesive suitable for bonding polycarbonate, engineered plastics, glass, ceramics and metal-based substrates.</p> <p>Optimax® 951509 is designed to reduce surface tack caused by oxygen inhibition in wire tacking applications. The product can be used for wire tacking on PCB's as well as ruggedisation of components. This product requires direct UV or visible light exposure during cure. Optimax® 951509 provides tough impact resistant adhesion to both flexible and rigid substrates. Optimax® 951509 has a dual-cure PI system and will cure in the region 300-415nm.</p>
Features	<p>One-Part UV Fast Cure</p> <p>Optically Clear</p> <p>UV or Visible Light Cure</p> <p>Tack Free Surface Cure</p> <p>Meets MIL-spec 810G</p>

Physical properties – uncured adhesive

Solvent content	None
Composition	Urethane Acrylate
Appearance	Clear
Soluble in	Organic solvents
Specific gravity	1.02
Viscosity, 25°C,	
RVT #7 @ 10rpm, cps	17,200
Refractive Index	1.50
Toxicity	

Physical properties – cured adhesive

Hardness, Shore A	45
Elongation, %	200
Operating Temp, °C	-50 to 120

UV Light cure data	Minimum intensity, mW/cm ²	200
	Spectral output, nm	300-400
	Cure wavelength, nm	365/395

Cure Overview Because of the variability of different UV light sources it is suggested that the user test and specify UV intensity and exposure time. Low intensity UV light sources (200 mW/cm²) may require as much as a 10 second exposure time.

Storage	Store between 8°C to 21°C out of direct sunlight and in tightly sealed, unopened and original containers. Refer to packaging for specific shelf life and expiry information.
General information	For safe handling of this product consult the Material Safety Data Sheet.
Data ranges	The data contained in this data sheet may be reported as typical value and/or range. Values are based on actual test data and are verified on a regular basis.
Safety	Consult the Material Safety Data Sheet.
Notes	The information contained herein is produced in good faith and is believed to be reliable but is for guidance only. Novachem Corporation Ltd. and its agents cannot assume liability or responsibility for results obtained in the use of its product by persons whose methods are outside or beyond our control. It is the user's responsibility to determine the suitability of any of the product and methods of use or preparation prior to use mentioned in our literature and furthermore the user's responsibility to observe and adapt such precautions as may be advisable for the protection of personnel and property in the handling and use of any of our products.