

# MicroCoat Technologies, LLC

1316 Somerset Drive McKinney, TX 75070

Tel +1-972-678-4950 Fax +1-214-257-8890

Unparalleled in Polymer Coatings and Adhesive Technology

MCT Product	Polymer Type	Cure Method	Viscosity, cps at 20°C	Gel time at 100 mW/cm <sup>2</sup> 360nm	Shore Dur	Application Notes
MCT 53101	UV Cure <u>Epoxy</u>	UV	250	<30 sec.	95D	Non-Yellowing UV cure epoxy. Excellent overcoat varnish or potting material. Can be made to turn from blue to yellow when exposed to UV light as a QA tool.
MCT 53101UVL	One Part UV-Visible Light Cure <u>Acrylic</u>	UV/Visible	1,000	<30 sec.	70D	Good all around UV/ Visible cure adhesive for glass, plastics and metals. Cures under UV or Visible light with wavelengths of 550nm or less..
MCT 53101UVL	UV-Visible Light Cure <u>Epoxy</u>	UV/Visible	250	<60 sec.	90D	Visible light cure version of MCT3101. Cures at wavelengths of 550nm or less.
MCT 53106	UV <u>Epoxy</u>	UV	1,000	<60 sec.	90D	UV cure epoxy for adhesive and encapsulation for phenolics and Polyimids.
MCT 53401-19	UV <u>Acrylic</u>	UV	25	<30 sec.	80D	A fast set, non-yellowing UV cure adhesive for bonding glass, metals and many plastics. Variety of viscosities available upon request.
MCT 53401-9	UV Cure <u>Acrylic</u>	UV	2,500	30 sec.	80D	Glass Adhesive
MCT 53402	Dual Cure UV and Room Temp Cure <u>Epoxy</u>	UV cure two part epoxy	600	UV cures to 1/4" deep in 30 sec and thru cure in 60 minutes.	80D	UV/Room Temp Dual Cure epoxy for potting and encapsulation. Solid Over-cure with UV light and through cures at room temp...even in shadow areas.
MCT 53403-2	One Part UV / Heat <u>Epoxy</u>	UV / Heat	3,000	12 minutes at 250°F	80D	Low Viscosity UV/Heat cure epoxy. Fast set with UV exposure and then finish cure in shadowed areas with modest heat.
MCT 53404	UV cure <u>Acrylic</u>	UV	10,000	<30 sec.	85A	A fast cure UV adhesive to bond nylon coated wire [wire tack], paper and other difficult to bond substrates.
MCT 53406	UV cure <u>Acrylic</u>	UV	1,000	<30 sec.	60D	Fast UV bond to ferrous metals, circuit boards, ABS, styrene and nylon
MCT 53407	UV cure <u>Acrylic</u>	UV	1,000	<30 sec.	80A	Soft and Flexible, UV cure adhesive/potting compound made for use in electronic and mechanical assemblies. Replaces RTV silicones in many applications.
MCT 53409	UV Cure <u>Acrylic</u>	UV	2,000	<30 sec.	90A	UV cure Doming product over decals, logos and standard decoupage applications.
MCT 53410	UV Cure <u>Acrylic</u>	UV/Visible	10,000	<30 sec.	70D	Thixotropic version of MCT 34103. Adheres to Polycarbonate, styrene, Nylon 6/6, and PVC.
MCT 534102	UV cure <u>Acrylic</u>	UV	1,200	<30 sec.	~70D	UV Cure Wire Tack Compound. A lead termination adhesive designed to bond many wire types to themselves.
MCT 534103	Medical Grade UV <u>Acrylic</u>	UV	<200	<15 sec.	65D	Fast Tack Medical Grade Class VI Acrylic Adhesive
MCT5 34103LV	One Part UV <u>Acrylic</u>	UV	1,000	<30 sec.	65D	A fast cure UV adhesive for bonding PVC, polycarbonate, and many engineering plastics. Upon curing, it is a clear, tough and durable material. <a href="#">Passes USP Class VI testing.</a>
MCT 553420-2	UV Cure <u>Acrylic</u>	UV	200	<10 sec.	80D	Scratch Resistant Coating
MCT 53424-2	One Part UV Cure <u>Acrylic</u>	UV	<9,300	<10 sec.	60A	Soft and flexible silicone replacement. for substrates such as nylon, ABS, glass, polystyrene, steel, copper aluminum, etc.
MCT 53424-3	One Part UV Cure <u>Acrylic</u>	UV	<800	<10 sec.	30A	Soft and flexible silicone replacement. for substrates such as nylon, ABS, glass, polystyrene, steel, copper aluminum, etc.
MCT 53425	UV Cure <u>Acrylic</u>	UV	Clear Thixotropic Paste	<30 sec.	<<10A	Hyper-Soft and compliant like uncured rubber. Great elongation.
MCT 534301-3	UV Cure <u>Acrylic</u>	UV	1,600	<30 sec.	65D	Fast Tack Glass Adhesive
MCT 53450	UV Cure <u>Epoxy</u>	UV	11,000	<30 sec.	80D	Rigid and impact resistant UV curable epoxy resin. High Tg and excellent chemical resistance
MCT 53450-4 G, B	UV Cure <u>Epoxy</u>	UV	Thixotropic Paste	30 sec.	80D	Chemical Plating Resistant, No UV Cure Inhibition. Excellent overcoat for Hybrids and Chip Resistors
MCT 53450-T	UV Cure <u>Epoxy</u>	UV	<5,000	30 sec.	>89D	Chemical Resistant, No UV Cure Inhibition
MCT5 3451-T	UV Cure <u>Epoxy</u>	UV	Paste	<60 sec.	90D	Thixotropic version of MCT3450. Modified to adhere to glass.
MCT 53452DC	UV cure <u>Epoxy</u>	UV	Thixotropic Paste	<60 sec.	80D	Thixotropic version of MCT3450. Cures after the UV light source is removed [Dark Cure].

MED CLASS VI

THICK FILM O'COAT

2 PART UV

REPLACE RTV