

MicroCoat Industrial Adhesives

MicroCoat Technologies industrial adhesives are specially formulated to mate dissimilar substrates in a rapid, precise and permanent manner. Although the list offered here does not constitute the complete line of industrial adhesives manufactured by MicroCoat, it gives a starting point which can lead to modifications or custom designed adhesives for your particular application.

Product	Polymer Type	Cure Temp. °C	Mix Ratio v/v	Pot Life/ Gel Time >	Shore Hardness	Application Notes
E51005	Two Part Epoxy	RT	1:01	5 min.	80D	Fast set epoxy with excellent adhesion to most substrates [12,000 cps mixed]
E51005LV	Two Part Epoxy	RT	1:01	7 min.	80D	Low viscosity version of E51005 [2,000 cps mixed].
E51020	Two Part Epoxy	RT	1:01	20 min.	80D	Fast set Toughened epoxy for impact resistant and high mechanical stress applications.
E52101	Two Part Epoxy	RT	1:01	70 min.	80D	General purpose structural laminating adhesive for bonding steel, wood, lauan and polystyrene bead board. Works well on roll coaters. Press time: 6 hours.
E52102	Two Part Epoxy	RT	1:01	40 min.	80D	Same applications as E52101 but with press time of 3 hours.
E52103	Two Part Epoxy	RT	1:01	45 min.	80D	Similar to E52102 but for bonding rigid and flexible PVC substrates.
E52106	One Part Heat Cure Epoxy	150°C	N/A	1 hour	90D	Excellent single part structural adhesive to various metals. Great for use in bonding magnets. Can be cured at lower temperatures if a longer cure time is used.
E52107	Two Part Epoxy	RT	1:01	5 min.	80D	Standard 5 minute epoxy. Excellent for quick bonding to various metals, glass and wood substrates.
U52109	One Part Moisture Cure Urethane	RT	N/A	20-40 min.	~50A	Adheres to almost any substrate. Works well on dissimilar substrates such as wood, PVC, aluminum and steel. Sets in one hour.
U52110	One Part Moisture Cure Lamination Adhesive	RT	N/A	30-50 min.	~80A	Moisture cure urethane adhesive for wood, beadboard, steel, aluminum. Foams slightly as a gap fill. Excellent for humid applications.
E52108	Heat Cure Epoxy	RT	N/A	2-4 hours	90D	Outstanding adhesive for motor magnet assemblies and metal to metal applications.
E52109	2 Part 1:1 Epoxy	RT	1:01	2 hours	85D	Classic 1:1 slow set two part epoxy. Will adhere to most metals, wood, Styrofoam, glass, most engineering plastics and many surface treated polyolifins
E52110	2 Part 1:1 Epoxy	RT	1:01	2 hours	85D	Toughened version of E52109 to improve shear strength.
E52111	2 Part 1:1 Epoxy	RT	1:01	2 hours	85D	Lower viscosity version of E52109