



Wood Laminating Systems

CoPoxy 100A is an epoxy resin that has been specifically formulated for bonding and coating wood. This resin has superb penetrating power, which lends itself to superior moisture resistance and high strength. CoPoxy 100A is available for use with four hardeners of varying work life/gel time. These wood laminating systems are well suited for sealing wood surfaces, bonding applications, general marine construction and repair, and the cold molding process for fabricating wood and fiberglass structures.

	Fast	Slow	Tropical	Coating	
System	100A/9252B	100A/9253B	100A/200B	100A/9213B	Test Method
HANDLING PROPERTIES					
Mix Ratio By Weight	100A : 18B	100A : 17B	100A : 30B	100A : 44B	
Mix Ratio By Volume	5A : 1B	5A : 1B	3A : 1B	2A : 1B	
Resin Viscosity at 25°C, cP	1,000	1,000	1,000	1,000	ASTM D2196
Hardener Viscosity at 25°C, cP	1,850	225	125	500	ASTM D2196
Mixed Viscosity at 25°C, cP	1,200	450	930	750	ASTM D2196
Gel Time at 25°C, 150g, minutes	13	23	56	30	ASTM D2471
PHYSICAL PROPERTIES					
Color	Amber	Amber	Amber	Amber	
Tensile Strength, psi	8,400	9,200	8,100	7,600	ASTM D638
Tensile Modulus, psi	422,000	466,000	441,000	330,000	ASTM D638
Tensile Elongation, %	3.1	4.1	3.6	11.0	ASTM D638
Compressive Strength, psi	11,700	11,200	10,900	12,800	ASTM D695
Flexural Strength, psi	14,400	13,800	13,600	12,200	ASTM D790
Flexural Modulus, psi	486,000	463,000	452,000	355,000	ASTM D790
Heat Deflection Temperature, °F	142	132	122	121	ASTM D648
Izod Impact, Notched, ft-lb/in	1.32	1.14	1.22	1.08	ASTM D2566
Shrinkage, in/in	<0.003	<0.003	<0.003	<0.002	ASTM D256
Hardness, Shore D	85	86	87	80	ASTM D2240
Availability:	55 Gallon Drum, 5 Gallon Pail, Gallon and Quart Kits				

Please see the individual CoPoxy technical data bulletins and material safety data sheets for further information on a specific adhesive system.

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