

# RESIN COMPARISON



the fantastic plastic place

POLYESTERS

	gel time (minutes)	viscosity	thixotropic (vertical surfaces)	surface cure	heat resistance (Fahrenheit)	chemical resistance	UV resistance	cures clear	shrinkage	adheres to metal	adheres to plastic	odor	flexible or rigid	cures in cold weather	can be thinned	best with Carbon/Kevlar	ships UPS ground
(Catalyst Indicator Dye) <b>Bond Coat</b>	18-22	thin	●		155°	med <sup>2</sup>			7-9%		●	pungent	rigid		●		●
<b>High Strength Isophthalic</b>	17-19	thin	●		210°	good <sup>2</sup>			7-9%		●	pungent	rigid		●		●
<b>Vinyl Ester<sup>1</sup></b>	22	thin	●		241°	excellent <sup>2</sup>			7-9%		●	pungent	rigid		●	●	●
<b>Surfboard</b>	7-10	thin			140°	med <sup>2</sup>	●	●	7-9%		●	pungent	rigid		●		●
<b>Gel Coat</b>	10-15	med	●		155°	med <sup>2</sup>	●		7-9%		●	pungent	rigid		●		●
<b>Casting Resin</b>	15-30	thin			155°	med <sup>2</sup>	●	●	7-9%		●	pungent	rigid		●		●

EPOXIES

<b>1 to 1 General Purpose</b>	10-15	med		●	115°	good			<1%	good	very mild	rigid				●	●
<b>4 to 1 Super Hard</b>	12-15	med		●	165°	excellent			<1%	good	very mild	rigid	●			●	●
<b>102 Fast Marine</b>	12-15	med		●	165°	excellent			<1%	excellent	nil	rigid	●			●	●
<b>109 Med Marine</b>	20-30	med		●	145°	good		●	<1%	good	nil	rigid				●	●
<b>143 Slow Marine</b>	25-30	thin		●	125°	excellent			<1%	excellent	nil	some flex	●			●	●
<b>Coat-It</b>	30	thick		●		good			<1%	good	mild	rigid					●
<b>Ultra Glo</b>	30-90	med		●	100°	med		●	<1%	good	nil	flexible					●

<sup>1</sup> Seasonal product, not always available.

<sup>2</sup> When properly surface cured.

Revised 0313