

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) Bond Coat	18-22	thin	●		155°	med ²			7-9%		●	pungent	rigid		●		●
High Strength Isophthalic	17-19	thin	●		210°	good ²			7-9%		●	pungent	rigid		●		●
Vinyl Ester¹	22	thin	●		241°	excellent ²			7-9%		●	pungent	rigid		●	●	●
Surfboard	7-10	thin			140°	med ²	●	●	7-9%		●	pungent	rigid		●		●
Gel Coat	10-15	med	●		155°	med ²	●		7-9%		●	pungent	rigid		●		●
Casting Resin	15-30	thin			155°	med ²	●	●	7-9%		●	pungent	rigid		●		●

EPOXIES

1 to 1 General Purpose	10-15	med		●	115°	good			<1%	good	very mild	rigid				●	●
4 to 1 Super Hard	12-15	med		●	165°	excellent			<1%	good	very mild	rigid	●			●	●
102 Fast Marine	12-15	med		●	111°	excellent			<1%	excellent	nil	rigid	●			●	●
109 Med Marine	20-30	med		●	145°	good		●	<1%	good	nil	rigid				●	●
143 Slow Marine	25-30	thin		●	125°	excellent			<1%	excellent	nil	some flex	●			●	●
Coat-It	30	thick		●		good			<1%	good	mild	rigid					●
Ultra Glo	30-90	med		●	100°	med		●	<1%	good	nil	flexible					●

¹ Seasonal product, not always available.

² When properly surface cured.

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