



The charts below are guidelines to mixing the GRBC Fast and Slow Hardener to achieve different curing times with GRBC Old #7 epoxy resin. The Fast and Slow hardeners can be mixed together in any proportion to create intermediate curing speeds. The mix ratio of the combined Fast/Slow hardeners with GRBC Old #7 epoxy resin will remain 100 parts resin to 44 parts hardener by weight or 100 parts resin to 50 parts hardener by volume. We highly recommend that the Slow hardener NOT be used by itself for laminations. The set time is so slow that significant drainage off the rails will occur.

Grams				@ 75°F		
Resin	Fast	Slow	Fast/slow	Gel time (mins)	Thin Film set (hrs)	Exotherm (°C)
100	44.0	0.0	100% fast	20	2.5	155
100	33.0	11.0	3 parts to 1 part	30	3.0	155
100	22.0	22.0	1 parts to 1 part	45	4.0	120
100	11.0	33.0	1 parts to 3 part	80	6.5	75
100	0.0	44.0	100% slow	160	12.0	45

Milliliters				@ 75°F		
Resin	Fast	Slow	Fast/slow	Gel time (mins)	Thin Film set (hrs)	Exotherm (°C)
100	50.0	0.0	100% fast	20	2.5	155
100	37.5	12.5	3 parts to 1part	30	3.0	155
100	25.0	25.0	1 parts to 1 part	45	4.0	120
100	12.5	37.5	1 parts to 3 part	80	6.5	75
100	0.0	50.0	100% slow	160	12.0	45