Green Room Epoxy System: Tips for measuring and mixing epoxy.

Green Room highly recommends that the epoxy ratios be done by weight! This gives better ratios and is actually faster and cheaper in the long run that using graduated mixing cups. All Green Room epoxy ratios are 100 parts resin to 44 parts hardener by weight. A cheap digital scale\* that measures in grams to one decimal place is great. Here is Dr. Rob's fool proof method for accurate mix ratios. We like to get a big button calculator and tape it to the wall next to the scale.

- \*(use US coins for quick scale check: 10 US state quarters weigh 56.7 gm http://www.usmint.gov/about\_the\_mint/?action=coin\_specifications).
  - 1. Make sure your scale capacity will handle the total weight of the mix plus bucket.
  - 2. Put your container on the scale and hit tare...reading will go to 0.0
  - 3. Pour in your hardener first ... say you pour 101.2 gm (We find that pouring the hardener first gives better mixing into the corners of the bucket.)
  - 4. Calculate the amount of resin needed.
    - a. Take the grams of hardener and DIVIDE by 0.44
    - b. In this example,  $101.2 \div 0.44 = 230.0$
  - 5. Without removing the container with hardener from the scale, re-tare the scale...reading will again go to 0.0
  - 6. Pour in the right amount of resin, in this case 230.0 gm. The resin weight must be within ±2% of the target weight (in this case 4.6 gm too much or too little would be in range but closer is better) to ensure proper curing.
  - 7. Add dye or pigment if desired....no more than 5% by weight of total mix.
  - 8. Remove from scale and gently, but thoroughly mix for 2 to 4 minutes, scraping the sides and bottom with the mixing stick. Try not to whip in a lot of bubbles.
  - 9. Ready for use

			n Room Epo	Gree	
	olumes	ives these v	Ç	nix amounts	By weight r
	other useful conversions	mixed fluid oz	Mixed mL	Grams of hardener	Grams of resin
:				4.4	10
				8.8	20
				13.2	30
				17.6	40
				22.0	50
				26.4	60
				30.8	70
				35.2	80
				39.6	90
		4.4	130	44.0	100
				48.4	110
	. 0			52.8	120
•				57.2	130
				61.6	140
	typical HPSB	0.0	405	00.0	450
	bottom hot coat	6.6	195	66.0	150
	J) • L			70.4	160
				74.8	170
				79.2	180
74 0	typical HPSB			83.6	190
	deck hot coat	8.8	261	88.0	200
				92.4	210
	• • []	_///		96.8	220
				101.2	230
				105.6	240
				110.0	250
				114.4	260
	Beer can	11.9	352	118.8	270
				123.2	280
				127.6	290
	typical HPSB bottom lam	13.2	391	132.0	300
EPC	DOLLOTTIAITI	13.2	391		
				136.4 140.8	310 320
				145.2	330
				149.6	340
				154.0	350
	pint - tall boy	15.9	469	158.4	360
J	p taii boy	10.0	100	162.8	370
				167.2	380
				171.6	390
	typical HPSB			- 112	
	deck lam	17.6	521	176.0	400
				180.4	410
				184.8	420
				189.2	430
				193.6	440
				198.0	450
				202.4	460
				206.8	470
				211.2	480
		·		215.6	490
		22.0	651	220.0	500

	Green Room Epoxy System								
By weight r	mix amounts	g	ives these v	olumes					
Grams of resin	Grams of hardener	Mixed mL	mixed fluid oz	other useful conversions					
16911	Harueriei		UZ.	Conversions					
510	224.4								
520	228.8								
530	233.2								
540	237.6								
550	242.0								
560	246.4								
570	250.8								
580	255.2	756	25.6	it's a fifth!					
590	259.6								
600	264.0	782	26.4						
610	268.4								
620	272.8								
630	277.2								
640	281.6								
050	000.0								
650	286.0								
660	290.4								
670	294.8								
680	299.2								
690	303.6								
700	308.0	912	30.8						
710	312.4	312	30.0						
710	316.8								
730	321.2	951	32.2	Quart					
740	325.6	951	32.2	Quart					
750	330.0								
760	334.4								
770	338.8	1003	33.9	Liter					
780	343.2	1003	33.9	Litei					
790	347.6		-00-6						
730	547.0								
800	352.0	1042	35.2						
810	356.4								
820	360.8								
830	365.2								
840	369.6								
850	374.0								
860	378.4								
870	382.8								
880	387.2								
890	391.6								
900	396.0	1173	39.7						
910	400.4	1186	40.1	Big 4-0					
920	404.8								
930	409.2								
940	413.6								
950	418.0								
960	422.4								
970	426.8								
980	431.2								
990	435.6								
1000	440.0	1303	44.1						