
10 STATISTICS

9.1 Epoxy Consumption

Build No.	Width	No. Layers	Resin (g)	Resin / Layer (g)	Resin Avg (g)	Hardener (g)	Hardener / Layer (g)	Hardener Avg (g)	Epoxy/Area (kg/m ²)
2	13	10	700.5	70.05		196.2	19.62		
3	13	10	650.5	65.05	67.55	182.4	18.24	18.93	0.165
4	12	8	599.9	74.99		168.0	21.00		
5	12	11	730.4	66.40		204.2	18.56		
6	12	11	725.5	65.95		203.3	18.48		
7	12	9	700.0	77.78		196.1	21.79		
8	12	7	600.0	85.71		168.5	24.07		
9	12	7	500.3	71.47		140.0	20.00		
10	12	9	650.3	72.26	73.51	182.0	20.22	20.59	0.192
11	11	9	600.1	66.68		168.1	18.68		
12	11	11	724.4	65.85		203.0	18.45		
13	11	9	650.1	72.23		182.0	20.22		
14	11	7	550.0	78.57		154.0	22.00		
15	11	10	700.0	70.00		196.2	19.62		
16	11	2	125.2	62.60		35.0	17.50		
17	11	11	824.7	74.97		231.0	21.00		
18	11	11	750.0	68.18	69.89	210.4	19.13	19.58	0.203
19	10	10	660.0	66.00		184.6	18.46		
20	10	11	700.2	63.65		196.1	17.83		
21	10	11	699.9	63.63		196.0	17.82		

22 10 7 499.9 71.41 66.17 140.2 20.03 18.53 0.208

13341.9 Avg Resin Consumption (per layer): 70.16
 3737.3 Avg Hardener Consumption (per layer): 19.65
 17079.2

Width (cm)	Area (cm ²)	Total Area (m ²)
13	5252	10.504
12	4848	30.058
11	4444	31.108
10	4040	15.756
87.426		Total glued area

9.2 Fiber and Lead Consumption

Module	Total Fibers Used	No of layers	Fibers Lost	Lead Used Per Module				Lead Lost Per Module			
				13 cm	12 cm	11 cm	10 cm	13 cm	12 cm	11 cm	10 cm
1	15468	187	3	20	61	65	40	1	1	1	1
2	15414	185	2	21	64	64	39	1	0	1	0
3	15292	184	1	21	61	63	41	0	1	2	0
4	15253	183	6	20	63	62	39	1	0	0	0
5	15366	185	479	21	62	63	39	1	0	8	1
6	15429	185	0	21	63	63	39	1	2	0	0
7	15331	185	0	20	63	61	41	0	2	0	0
8	15279	184	1	20	62	63	39	0	0	0	0
9	15214	184	0	21	65	62	36	0	3	0	0
10	15235	183	1	21	65	61	36	0	0	1	0
11											
Averages	15328.1	184.5	49.3	20.6	62.9	62.7	38.9	0.5	0.9	1.3	0.2

9.3 Build Height (Sample)

Build 15	Date:	10-Mar-10			Sheet Size:	11	
	Time:	9:43AM			Layers Lain:		
Position	Front			Difference Front to Back	Back		
	Measured	Net	Total		Measured	Net	Total
1	155.20	154.52	185.47		155.03	154.28	185.18
2	155.31	154.66	185.54		155.20	154.49	185.31
3	155.31	154.68	185.54		155.20	154.50	185.29
4	155.12	154.47	185.38		155.36	154.64	185.50
5	155.14	154.48	185.40		154.93	154.19	185.07
6	155.19	154.55	185.43		155.07	154.33	185.18
7	154.95	154.31	185.20		155.14	154.39	185.20
8	155.68	155.05	185.93		155.11	154.32	185.17
9	156.81	156.18	187.08		154.76	153.96	184.83
10	156.26	155.64	186.50		155.67	154.89	185.74
11	156.05	155.42	186.28		155.91	155.13	185.97
12	155.11	154.49	185.32		155.59	154.83	185.64
13	155.06	154.41	185.33		155.35	154.57	185.47
14	155.18	154.56	185.39		155.55	154.79	185.67
15	155.05	154.47	185.29		155.57	154.80	185.67
16	154.80	154.17	185.10		155.38	154.58	185.49
Mean		154.75		0.21		154.54	

9.4 Build Height (Net)

The net height of Module 05 is shown in the picture below. The module was very uniform with the exception of a high spot that was mostly rectified by shaving off lead ridges from the topmost lead sheet.

