

Shaker Box Making Syllabus

1. Overview of Day 1 and Day 2
 - a. Equipment Needed
 - b. Form and Pattern Making
 - i. Finger Patterns
 1. Paper
 2. Aluminum
 - ii. Cores and Shapers
 1. Wood cores and shapers
 2. Foam core
 - c. Bendable Woods
 - d. Bands
 - i. Band preparation:
 1. Tracing band fingers
 2. Drilling band fingers (1/16" bit)
 3. Cutting band fingers (on or leave line)
 4. Taper the band tails
 5. Sand the bands (100 to 120 grit)
 6. Large (size 8 plus mark core size)
 - ii. Soaking bands
 1. Time (band thickness dependent)
 - a. W/O Oxalic Acid – 20 min
 - b. W Oxalic Acid – 20 – 240 min
 2. Temperature (125 – 155 degree F)
 - iii. Shaping fingers
 1. When (before or after soaking)
 2. How (10 degree bevel)
 - iv. Bending bands around cores:
 1. Bad side out (curl side out)
 2. Marking (box size)
 - v. Tack size

1. Dependent upon band thickness
2. Tap lightly to prevent splitting fingers – no macho here
- vi. Insert shapers and let dry for a minimum of one day
2. Review of Day One and Overview of Day Two
 - a. Tracing saw and sand lines
 - i. Fine point does it
 - ii. Inside tack line mark
 - b. Bandsaw : leave 1/8” but not critical
 - c. Sanding and checking : careful does it
 - i. Size of box
 - ii. Thickness of top or bottom
 - d. Inserting tops and bottoms : don't bust the bands
 - e. Sanding Bottoms : pro and con
 - f. Pegging
 - i. Toothpicks (5/64” bit)
 - ii. Copper Shoe Pegs (1/8” bit”
 - g. Final sanding of bands, fingers, top to 220 grit
 - h. Finishing