

GLUING

1. TYPES OF GLUING.

- * Edge gluing:
- * Face gluing:

2. WOOD PREPARATION

- * Edges being glued must be jointed so there is no gap. Not table sawn.
- * Edges should be dust free.
- * Temperature: must be 70 or higher to prevent freezing.
- * LEAVE WOOD 7/8" THICK FOR GLUING.
- * EACH PIECE OF WOOD SHOULD BE BETWEEN 2 1/2" - 5" WIDE.

3. LAYOUT – Order of Importance

- * Match grain and color so it looks good. (Avoid gluing sapwood to heartwood.)
- * Alternate growth rings.
- * Draw layout triangle & number boards.
- * Check for a tight fit between edges. No gaps.
- * Place the “cathedrals” going up if possible.
- * Boards should be 4"-5" DO NOT MAKE THEM WIDER
- * Use an odd number of boards per panel.

4. CLAMPING

- * Clamps should be within 2 inches of the ends.
- * Alternate clamps on the top and bottom.
- * Clamps should not be more than 15" apart from each other.
- * Apply glue to each edge to be glued.
- * Write name and time on boards .

5. GLUING TERMS / TIME LIMITS

- * Close Time:
- * Drying Time:
- * Curing Time:

MAKING BOARDS WIDER

- Step 1 Get enough wood so that when it is glued it is 1" wider and 1" longer than the finished size needed.
- Step 2 Joint face one on all boards. Once or twice across the jointer should be enough. Take off 1/32 each pass.
- Step 3 thickness. Plane boards through the thickness planer. Put the jointed face down and plane boards to 7/8" Stop at 7/8" even if the boards are still rough.
- Step 4 Joint one good edge on all boards.
- Step 5 Cut all boards on the table saw to 2 1/2" - 5" widths plus 1/16" extra.
- Step 6 Joint the second good edge so that both edges are jointed. This is so there will be no gaps between the boards when they are glued together.
- Step 7 Place the boards together. Check for gaps between edges, check for color match, alternate the growth rings, place the cathedrals going up. Mark them with a triangle.
- Step 8 Glue the boards together. Place clamps within 2" of ends, alternate clamps top and bottom. Let dry 30-40 minutes.
- Step 9 Scrape off excess glue.
- Step 10 Plane the glued panel to 1/16" thicker than the finished thickness on the planer.
- Step 11 Follow the steps of squaring a board. Begin with jointing edge # 1 and square to correct size.