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Cove Mitering Suggestions

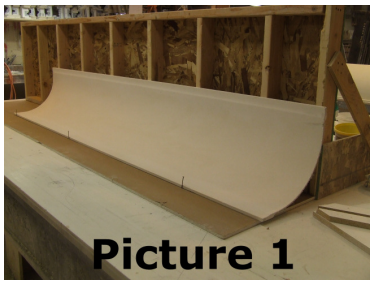
WARNING! If you have any physical limitation or condition, consult your physician. We also strongly recommend that you always obtain assistance before lifting and setting domes and light coves into place. These are general ideas only, and should never supersede safety, common sense, or applicable laws and regulations. Carefully consult qualified installation specialist(s) before installing these products. RWM Inc. assumes no liability for accidents or improper installations.

We're Here to Help! Every person processes information differently. If you have any questions or concerns, please call us at 1.855.RWM.ARTS (796-2787). We'll gladly connect you with an installer who can walk you through it, and give you any tips or pointers that might be helpful for your situation.

Tools Needed: Five to ten 8d or 16d box or finish nails or 2" x 2" plywood blocks, tape measure, a pencil, chalk line, angle grinder with 4" diamond blade, drill (i.e. electric or cordless, 1/8" drill bit, countersink, belt sander with 40 grit belt, eye protection, and 1-1/4" to 1-5/8" course thread screws.

Material Handling: When you unload your products from the crate, always carry the product on edge rather than flat, ensure the product stays straight, rack it straight and upright when storing it. Never store product on an uneven surface, or leaned against something, as product can gain a memory called "cold creep" (this is especially applicable in areas with high humidity).

1. Find a long enough wall to set the cove against it (parts are 12'-0"), leaving enough room on both sides for the jig (extra 2'-0"). Place a mark out from your 90-degree upright wall on floor or table built to the wall (***we've set up a simulated wall and table in Picture 1***) the distance for the projection of the cove (Example: Our 9" cove has a projection of 12-5/8" — see our spec sheet for your cove). Double-check that your projection is the same as the rise (they must be equal).


Picture 1

2. Use a chalk line and snap a line that distance from your wall. You will use this line to set some nails (***see Picture 1***) or small 2"x 2" blocks of plywood. This will hold the cove up at the correct angle when in place.
Note: Keep in mind that your table or floor represents your ceiling. In other words, your part is upside down.


Picture 2

3. Before making first cut, study the room size and pre-layout your 12' lengths to ensure that you will make the most of your product. Most importantly, that you will be able to abut end recess to end recess for best finish results.

4. If your wall cut length is less than 12', then you will use the jig to mark the angle you will cut on one end of the length of cove (***see Picture 2***). Keep your pencil flat against the jig and mark the 45-degree angle. Then take a measurement from back edge (i.e. the long point) of the product and mark your length (***see Pictures 3 and 4***). Draw your second miter from this mark (i.e. long point — ***see Picture 5***). If your wall is over 12', miter the appropriate end and install. Obtain your next measurement and continue.


Picture 3

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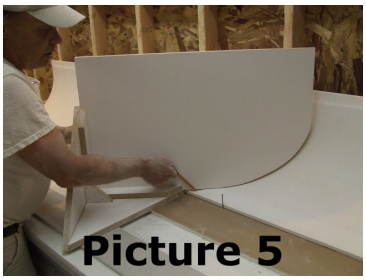
4. If you need more than one piece to span the wall, decide on the best split between the parts so that you have backing for both parts, or add backing at joint (so you can utilize your recessed ends). Take that number and measure from the factory (recessed) end of the part.
Note: Again, remember that your part is upside down. You'll need to flip it over to put it up to the ceiling, which means that your left miter will be on your right and visa versa.


Picture 4

5. Using a side angle grinder with a diamond wheel (4" to 4-1/2") hold the grinder at the same angle as the marked miter and cut (***see Picture 6***). You may wish to cut a 1/16" away from the line and use a belt sander (40 grit) to sand it in to the line.
Note: Always use eye protection with power tools.

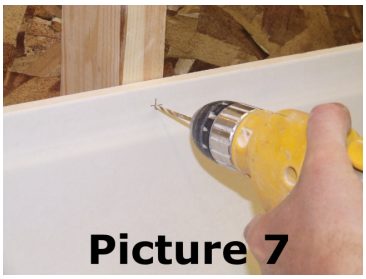

Picture 5

6. Holding the part up in place on the ceiling, use a pencil to mark the cove where you have wall backing and ceiling backing. If you are running with the joists and have no backing you will need to add some backing between the joist according to local building code (typically about 16" to 24" apart).

7. Drill with an 1/8" drill bit (***see Picture 7***) and countersink (***see Picture 8***) at these marks.


Picture 6

8. Install this part using coarse thread screws (1-1/4" or 1-5/8") and measure the next piece before you make another cut to ensure that it will fit correctly.


Picture 7


Picture 8