

Congratulations on your purchase of DUCHATEAU 3D Wood Wall Panels.

We strongly recommend you re an experienced finish carpenter or wood flooring installer to achieve quality installation results. The right tools and knowledge are the keys to successful installations.

IMPORTANT:

Be sure to fully inspect shipment for any damage upon arrival, prior to beginning installation. Any damage must be reported immediately to customerservice@duchateau.com

WARNING:

Improperly installing DUCHATEAU 3D Wood Wall Panels may result in voiding your warranty. Protect your warranty and investment by always fastening and gluing all DUCHATEAU 3D Wood Wall Panels.

Recommended Tools

- Protective Floor Cover
- Level or Laser Level
- Chalk Line
- Construction Adhesive and Applicator
- Finish Table Saw
- Black Screws 6 X 1-1/4"
- Drill
- Countersink Bit
- Step Ladder or Scaffold if needed
- Rubber Mallet
- Measuring Tape, Rules and Scoring Knife

NOTE: All saw blades must be in prime condition to work with pre-finished lumber.

Step 1

Check that the wall is level and plumb. If not, note all differences in height and/or width, and adjust your layout accordingly.

Fix any irregularities on the surface of your installation area that might affect how the tiles will lay.

Step 2

Leave a 1/4" gap around the perimeter of your installation area, including any trim, to allow for product expansion and contraction. Use shims for an even separation if needed,

Step 3

Determine which direction you wish to install the tiles - horizontal, vertical or diagonal.

Lay two rows out on the floor before installing to plan your wall. Define and mark initial cuts.

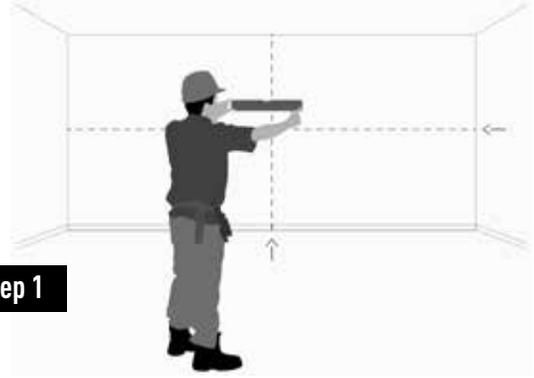
IMPORTANT: If centered install is desired, mark center piece and measure out to ends of wall to ensure both sides are equivalent before cutting excess.

Step 4

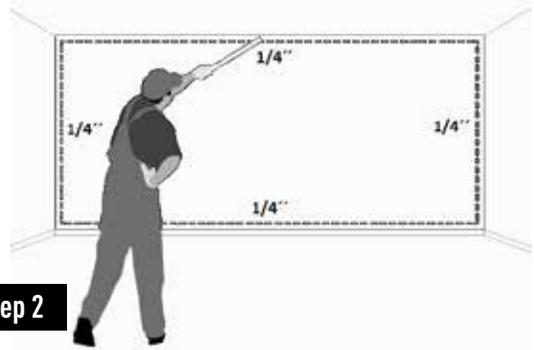
Measure and mark horizontal and vertical guidelines matching your tile size using a laser level and chalk line

Step 5

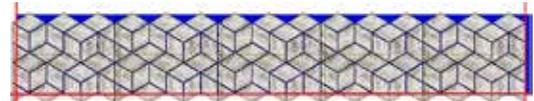
To prepare for outlets, light switches or other items, arrange other rows of tiles that require additional cuts on the floor. Mark all cuts needed once level. See additional instructions for installing mouldings. Note that the final row may also need to be cut.



Step 1



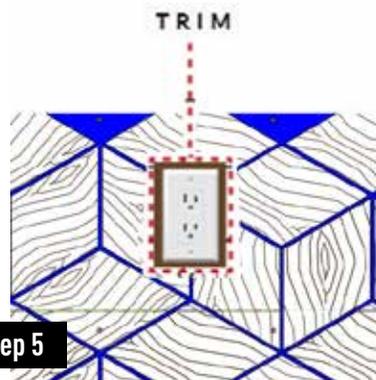
Step 2



Step 3



Step 4

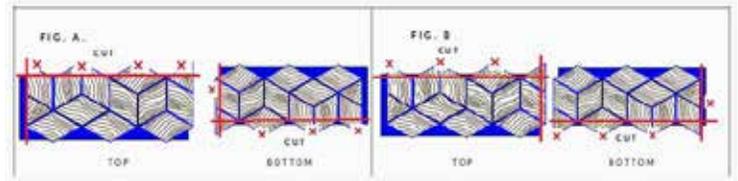


Step 5

Step 6

To install horizontally, begin in the left corner with the acrylic back panel facing the direction of the install. Define and mark initial cuts. (Sample cuts only are shown.)

Starting from the left (Figure A) place the visible acrylic back panel to the right. Starting from the right, (Figure B) place the visible acrylic back panel to the left.



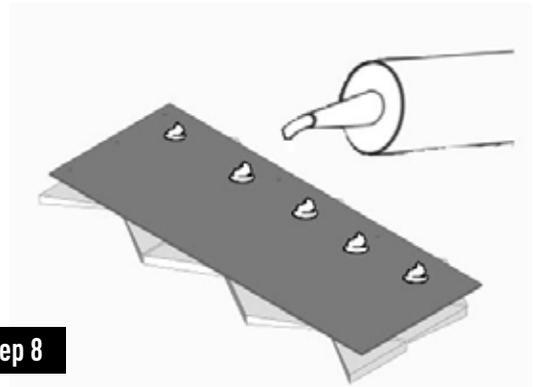
Step 6

Step 7

Cut off excess tab material from the tile in order to be flush with the edge of the install area. Please note that when cutting, some pattern pieces may fall off due to the vibration of the saw. If this happens, simply glue back on and then screw from back to secure it firmly.

Step 8

Add construction adhesive pellets on the back panel of the first tile. Be careful not to place adhesive in areas where the acrylic shows through from the front.

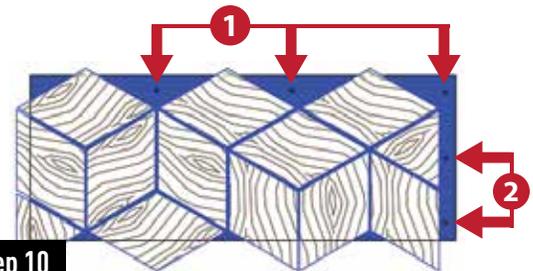


Step 8

Place the initial tile at the starting point of your installation.

Step 9

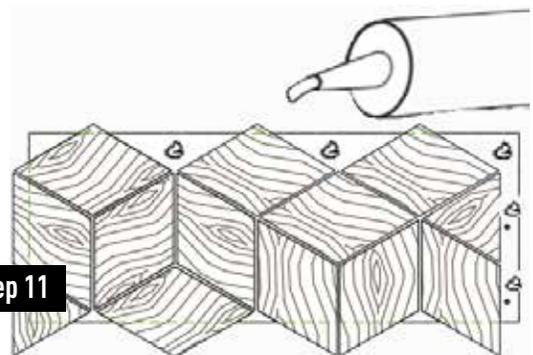
Once tile is level and aligned, fasten the exposed acrylic panel with black screw. (6 x 1 1/4") Be sure to use a counter-sink bit first to drill screws below the surface. Do not apply pressure to the screws, as it may damage the acrylic.



Step 10

Step 11

Fasten the top of the piece first with 3 screws. Then screw in the right side with 3 screws.



Step 11

Step 12

Now, apply construction adhesive in small balls to the exposed acrylic panel in preparation for the next tile.

Step 12

Carefully slide and fit the next adjacent tile under the previous tile. If necessary, use a rubber mallet and a scrap piece of wood to assist.

Step 13

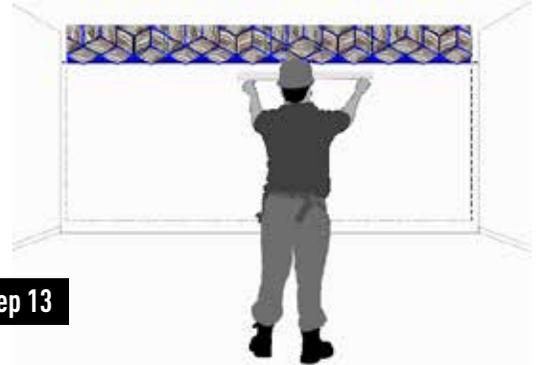
Make sure each tile and row is level and plumb.

Step 14

Repeat the entire fastening process across the wall, making sure to cut any tiles to fit as you approach the end of the wall.

REMEMBER: The panels must be affixed with both glue and screws for our Warranty to apply. This also prevents panels from warping.

Step 13



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Step 1

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Fix any irregularities on the surface of your installation area that might affect how the tiles will lay.

Step 2

Mark the position of the LED Lighting Strips using a pencil and a tape measure for accuracy. For line drawing, use a chalk line. For best illumination, at least three strips of lights the full length of the install area should be used.

LED Lighting Strip Information:

We recommend Philips Hue Lighting Plus Strips or equivalent
1600 lumens, extendable up to 32 feet, extremely flexible



Step 3

Unpack the lighting strip(s) and assemble to the adapter, following manufacturer's guidelines. Plug in all lights to test.

Step 4

Peel and stick the transformer to the wall, following manufacturer instructions. Clean the wall, and then place the lighting strips on the wall according to manufacturer instructions. Note that corners should be 90° or less. Do not join lines or place the LED itself on corners or curves.

Step 5

With lighting installed, you can now begin installation of the panels. Please wear all appropriate safety equipment, including eye protection and gloves. Place a mat or other floor protection to protect wall panels.



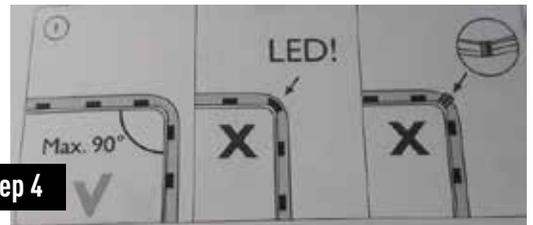
Step 1



Step 2



Step 3



Step 4



Step 5

Step 6

The installation should start from bottom to top. To start in the lower right corner, you must cut the wood so that the acrylic covers the entire surface of the wall. To make the cut, use a table saw. The cut measurement should be calculated taking into account the total number of pieces to be placed on the wall.

Step 7

Make sure the first piece is level and plumb before affixing to wall. Then, using black 3" screws, screw in the top part of the panel. The screw must enter the pre-drilled hole in a straight line. Use a wooden stop block placed behind the acrylic at each screw. **You must screw slowly with light pressure to ensure you do not break or fracture the acrylic.**

Step 8

Screw the left side of the tile in using 3 screws. All screws should go in the pre-drilled holes on the acrylic flanges.

Step 9

Apply silicone using a Silicone Gun to the wood edge of the second tile. Apply in center of wood edge, and apply only on the wood.

Step 10

Place the tile next to the first tile, and repeat Steps 7-9. Following these steps, complete the first row of tiles.

Step 11

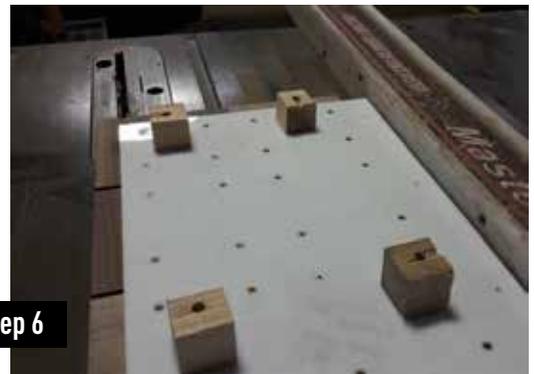
When the first row is completed, move on to the second row, following the same steps. Ensure that your screws do NOT pierce the lighting strips.

Step 12

Cut tiles as needed to complete wall. Test LED lights before placing final tile.



Step 6



Step 6



Step 7



Step 9



Step 12