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ADDING MILLWORK TRIM INSTRUCTIONS

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If ordered with your dome the **millwork is installed at the factory**. These instructions are provided in case you decide to add the millwork at a later date. We would appreciate your sending us suggestions, changes and photographs of your installation.

1. Make sure you order a trim that is the same width size or smaller than the surface it will be applied too. See "widths" below.

Dome Flexible Trim Specifications 10/26/09					
		OUTSIDE	INSIDE*	FLAT	VERTICAL
ITEM NO.	SHAPE	DIAMETER	DIAMETER	SURFACE	EDGE WIDTH
				WIDTH	
XD20C	Plain Round	42	33"	2 1/2"	1 3/8"
XD22C	Plain Round	54	45"	2 3/4"	1 5/8"
XD30C	Plain Round	67	57"	3 1/8"	1 1/2"
XD50C	Plain Round	78 5/8	69"	3 3/8"	2 1/8"
XD40C	Plain Round	91 1/4	81"	3 3/8"	2 1/4"
XD60C	Plain Elliptical	43 X 56	Shape on file	2 3/4"	1 3/4"
XD70C	Plain Elliptical	61 X 80	Shape on file	3 1/4"	1 5/8"

*Use this diameter when ordering the preformed millwork trim.

1. Frequently Asked Questions

- a. The millwork trim comes in 6 or 12 foot lengths and will need to be spliced. There will be more than enough length provided.
- b. Remove Trim from shipping box: The trim has been formed into the shape of the cove dome you have ordered. Remove the material from the box for a few hours before applying. This will allow the material to relax and lay flat. If you are still having trouble getting it to lay flat or conforming to the shape warm it up. (Never above 120 degrees F)
- c. Square the raw ends with a trim coping saw as they are not squared when manufactured.
- d. You can draw a positioning line on the cove. But you will find eye balling the placement works well and any variance is not noticed once the trim is painted and the dome hung.
- e. If you will be painting the fiberglass ring sand the surface with 80 to 220-grit paper breaking the shine. This should be done prior to installing the trim on the ring. Do Not Use a Primer: Both the ring and decorative trim readily accept latex paint.

2. Methods of Attachment:

The method depends on the type of trim, how thick it is and how much it weighs.

- a. **Use of double sided tapes** such as 3M double-sided automotive acrylic attachment tape or double-sided carpet tape. This is the easiest method and the one used at our factory. It requires the least labor and makes no mess. The automotive tape has more than enough strength to hold any size trim but it adheres so well that once the trim is applied it is difficult to reposition.
- b. **Using screws from the back or front side.** This method works well with the thicker heavier trim pieces. However, it is not recommended for thinner trims moldings where the screws will not have enough material to hold the trim securely.

c. Gluing with Gel Super Glue or polyurethane construction adhesives.

This method works well with all sizes but requires a clamping method to hold the trim until the adhesive dries.

3. Attachment with 3M Double-Sided Automotive Acrylic Attachment Tape

- a. The tape can be found in rolls at an automotive or body shop supply house. Most automotive parts stores also carry it. Use the thinnest available so the millwork is as flush as possible. RLC10 millwork is being applied to an XD20C dome.



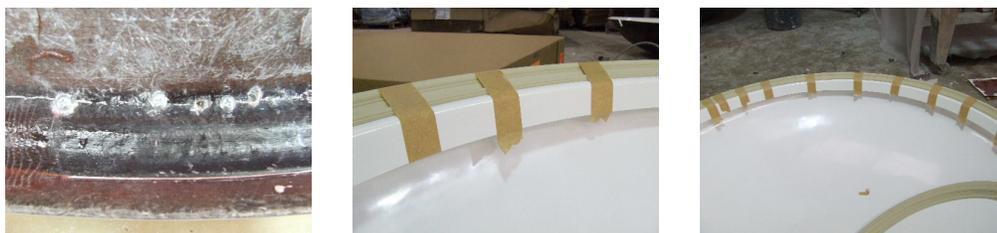
- b. Apply the tape completely around the dome. Make sure the tape is $\frac{1}{4}$ inch inside where the millwork will lie. Small gaps in the tape will not hurt. Pull the tape very taught as you put it down so does not pucker. Puckers will keep the millwork from lying flat.



- c. The red plastic protects the tape. Pull it off the tape about 2 inches to get started. Position the millwork and press it down on the sticky tape. In 3 to 5 inch increments position the trim and pull the tape out from under it at right angles. Press down hard on the millwork as you go to make a good bond with the tape.
- d. Once you reach the end of the first piece leave a portion of the plastic under the millwork. Make your miter cut for the second piece protecting the tape and dome with a piece of cardboard. Butt the two pieces of millwork together and continue pulling the red plastic strip.
- e. When you get to the place where you started make another miter cut to join the pieces together.
- f. Caulk the joints and any gap between the millwork and cove surface the paint the millwork.

4. Attaching With Screws

- a. With the screw on method use no. 10 sheet metal screws. No. 10's have enough threads and bite to be easy to work with.
- b. From the back side drill $\frac{3}{16}$ "over size holes every 6 to 8 inches on the dome around the perimeter. Make sure the holes align with the thickest portion of the trim. The oversize holes will keep the screws from threading into the fiberglass and will allow the trim to pull up tight against the cove ring surface. Drilling in advance allows you to clean off the filings. The filings may keep the trim from sitting flush on the cove ring. If the trim design allows it stagger the holes. Many contractors use trim head screws installed from the molding side and use the fiberglass as the anchor. This requires repair caulking where the screws enter the trim molding.



- c. Pre-fit and attach the millwork. In the case shown masking tape was used to hold the trim in place.



The splices are made on the dome prior to screwing down. When cutting the miter and removing the excess millwork. Place a piece of cardboard under the decorative trim. This protects the cove ring from damage.

- d. Once the millwork is secured in place with masking tape flip the dome over and secure with the screws. For this particular trim 1 ¼" screws were used. If using a screw gun be careful not to over tighten and strip the threads. If a screw breaks to surface back it out and either drilled a new hole or use a short screw. Any imperfection can be repaired with spackling compound.
- e. Where the trim is spliced add extra screws to hold the splice tight.

5. Painting the Trim

- a. The trim will need to be painted as it is not the same color as the ring or dome. Do this after it is permanently attached to the ring. If done before attachment the flexing will crack the paint.
- b. Use spackling compound to repair mistakes, joints and gap between the surface and the trim.



- c. It is much easier to paint the trim and or ring with the dome on the ground. If any scuffing does occur during installation you can easily touch it up. In this picture the trim and ring are being painted a color other than normal ceiling white to match the existing wall color.