

Materials needed:

- Ladder
- Tape measure
- Framing square
- Utility knife or heavy duty scissors
- Power screw driver/drill
- Hammer
- Reciprocating saw
- Crosscut saw or compound miter saw (*for cutting frame*)
- Corrosion-Resistant Fasteners
- Polyurethane Compatible Adhesive
- Pencil and/or black marker
- Polyurethane Compatible Filler
- Safety glasses
- Construction hanging wire (*for suspended ceiling systems*)
- 2x4 and/or 2x6 framing (*as needed to frame the rough opening and/or create framing for any installed lighting fixtures*)

1. Create a Rough Opening Template

Use a large flattened section of the cardboard packaging shipped with the dome. Lay the dome on the packaging. Trace the outline. The dome is manufactured with four alignment lines. Mark the locations of these four lines onto the cardboard template. Remove the dome from the template. Next, mark inside the entire outline about 1 ½". Then, transfer the alignment line markings to the inside line you just drew, marking in toward the center of the template. Using a utility knife or heavy duty scissors, cut along the inside line to create the rough opening template. Make sure that the alignment marks are still visible on the inside piece that you cut out.

2. Mark dome Location and Alignment on Ceiling

Mark the desired center point location on the ceiling. Next draw a straight line out from the center point, in both directions. For a circular dome, the straight line should be parallel to one of the walls in the room. For an oval dome, the straight line should be oriented in the direction (lengthwise) that you want for the dome (usually this is also parallel to one wall). Using a framing square, draw another line at a 90° angle to the first, through the center point and the orientation line you drew, above.

3. Place Template on Ceiling

Align the cardboard template on the ceiling. If installing an oval dome, be sure to line up the template in the right direction. Screw the template into the ceiling, using drywall screws.

4. Preparing the Rough Opening

For frame and wallboard construction: cut through the wallboard along the outside edge of the template. Remove the wallboard. If there are no joists, electrical wiring or plumbing lines that are in the way or could interfere with installation, proceed. If so, please contact a contractor for assistance with installation. Add framing to support the existing framing and edges of the dome. If installing a light fixture with the dome, add framing above the joists to support it.

For suspended ceilings: Remove acoustical tiles and cut any necessary metal framework along the template. After installation, you will need to trim the tiles to fit, so that they are supported by the edge of the dome.

5. Prepare the Dome for Installation (When used with lighting, or with suspended ceiling systems only – for all other installations, proceed to Step 6).

To locate the center point of the dome, use the side alignment marks. String, tape or lines drawn across the back of the dome, using the alignment marks, will cross at the center point. At the center point, drill or cut the proper size hole in the dome for any light fixture you will install. If using a jig saw or saber saw to cut the hole, drill a pilot hole and cut from the back to avoid chipping the edge of the hole. If installing into a suspended ceiling system, thread construction wire through the metal hanging straps on the back of the dome. You will use these to suspend the dome from the hangers used for the suspended ceiling system.

6. Install dome

Frame and wallboard construction: Apply an even bead of adhesive on the inside of the dome rim. Raise the dome into position, and

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secure into the rough opening framing, driving non-corrosive fasteners up through the rim, through the ceiling and into the framing. Slightly countersink fasteners, so that you can cover the heads with polyurethane compatible filler for a finished appearance.

For Suspended Ceilings: Raise the dome into position. Tie construction wires directly into the suspended ceiling hanger system to suspend the dome. If installing a light fixture, you must support the fixture with additional framing that is properly attached to the ceiling or suspended ceiling support system. Do not support the fixture by attaching it to the dome.

Touch Up and Painting

Fill nail heads and any other minor imperfections with polyurethane compatible filler (interior applications) or an exterior grade wood filler (exterior applications). After the filler has dried, sand any minor surface imperfections. Use polyurethane compatible filler where the dome meets the ceiling. Paint with latex paint (interior or exterior depending on application).

General Installation Notes

Any adhesives, sealants, fillers or paint used must be compatible with the material that is being installed (*see manufacturer's recommendations in the Finishing and Adhesives section below*). Always use corrosion-resistant mechanical nails or screws along with manufacturer's recommended adhesive product when installing all Fypon products. This combination provides a secure, long-lasting bond. Countersink all fasteners about $\frac{1}{8}$ " and fill with product compatible filler. Exterior installations should be finished using a manufacturer's recommended caulk to prevent water infiltration behind siding, windows and doors. Some exterior installations, in particular new construction before siding is applied, may require a J-channel and/or flashing to prevent water infiltration. Installers must determine which installation technique is best for the specific situation.

Finishing and Adhesives

Polyurethane (PUR) – Fypon polyurethane products are factory primed. Depending on product location, always use interior/exterior-grade, PUR compatible adhesives, sealants, and fillers when installing Fypon products. Consult the manufacturer's recommendations for your particular climate and the substrate you are installing to.

Cellular PVC – Depending on product location, always use interior/exterior-grade, PVC compatible adhesives, sealants, and fillers when installing Fypon products. Consult the manufacturer's recommendations for your particular climate and the substrate you are installing to. If painting is desired, a 100% acrylic latex paint with a Light Reflectance Value (LRV) of 55% or higher must be used. **Applying paint with an LRV of 54% or lower will void the warranty.**

IMPORTANT:

Please read these installation guidelines thoroughly before beginning installation. Please note that these guidelines are provided only to assist with the installation of Fypon moulding and millwork products. Modified procedures may be required in order to meet specific situations, unique applications and local building codes. The manufacturer does not, under any circumstances, warrant the installation of its products. Be sure to wear appropriate protective clothing, gloves and safety glasses when working with any tools. Installer should check for and relocate all electrical wiring within the proposed installation area, as needed (be sure to disconnect all electric power before working with any electrical wiring and follow all applicable local electrical codes and safety procedures).