INSTALLATION GUIDE

AlphaSorb® Acoustic Foam Wave Ceiling Baffle

Installation procedures for AlphaSorb® Acoustic Foam Wave Ceiling Baffles may vary from manufacturer to manufacturer. For specific accessory component information, detail drawings, CAD design assistance, detailed information or other technical services, contact the manufacturer.

Note: If significant changes to structure are to be made, such as mounting cables into framing members, such installation impacts appropriately land in the purview of a structural engineer or general contractor licensed in the state where installation occurs.

The following information provides general notes and installation instructions for AlphaSorb® Wave ceiling baffles.

Installing Metal Corkscrew Hangers in Wave Ceiling Baffles:

1. For vertical application, depending on the size of the baffle, each wave ceiling baffle should be equipped with three (3) 2⅞" long corkscrew hangers for 48" long panels, and four (4) corkscrew hangers for 96" long panels. Maximum distance between hangers should be no greater than 28". Use the diagram shown in **Figures 1–2** below as a guide.
2. Corkscrew hangers are to be installed in the field by a licensed contractor. Wire hangers/cables and cable mounts/anchors to be provided by installer.
3. Mark an even dispersion of suspension points on the wave baffle as shown in **Figure 1**.
4. Hold corkscrew hanger vertically and gently press hanger until the corkscrew hanger penetrates foam, turning in a clockwise motion.
5. Turn corkscrew hanger clockwise until the top coil in each corkscrew hanger compresses the surface of the foam by approximately 1/16".

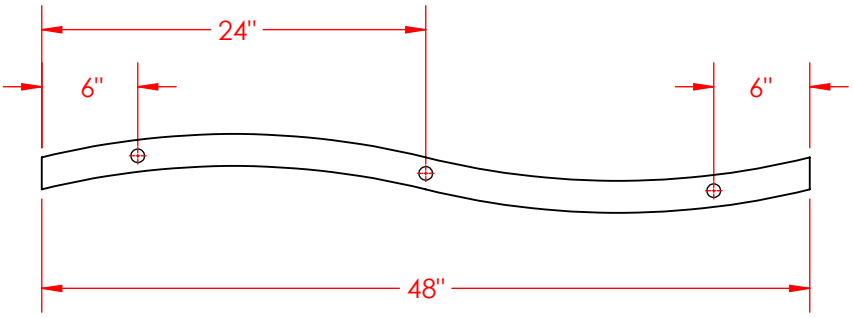

Figure 1: 48" Wave Baffle

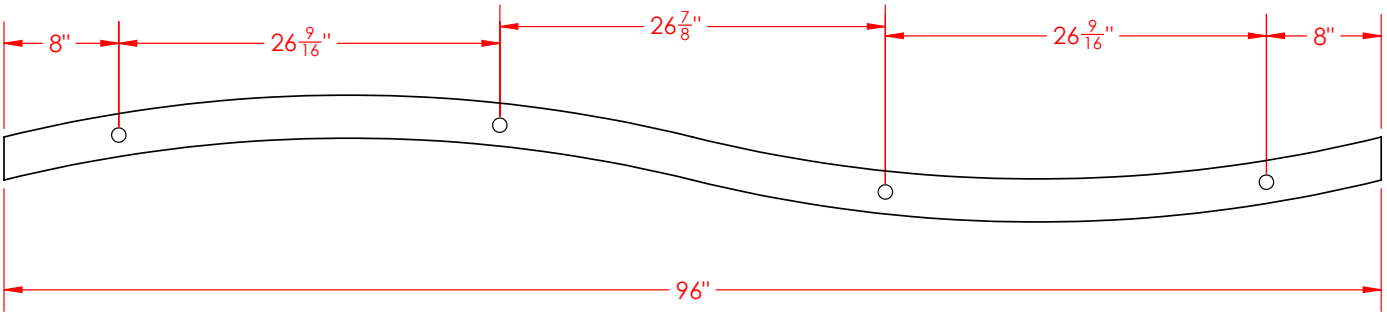

Figure 2: 96" Wave Baffle

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Installing Vertically Suspended Wave Ceiling Baffles with Corkscrew Hangers Direct to Underside of Structural Ceiling:

1. Refer to **Installing Metal Corkscrew Hangers in Wave Ceiling Baffles** section.
2. Attach the appropriate anchor to underside of structure.
3. Thread tie wire/cable/lightweight chain through grommet or eye hook of the corkscrew hanger.
4. Twist the wire/cable/lightweight chain to complete the connection. Note: Do not overtighten the wire/cable or put excessive force on grommet/eye hook to avoid panel failure. Tie wires/cables should be plumb.

Installing Vertically Suspended Wave Ceiling Baffles with Long Metal Corkscrew Hangers Parallel from Joists and/or Trusses:

1. Refer to **Installing Metal Corkscrew Hangers in Wave Ceiling Baffles** section.
2. Wave ceiling baffles can be wire/cable tied directly to the top or bottom of joists and/or trusses. Baffles attached to the top of the joists will hang beside the joist, and baffles attached at the bottom will hang below the joists.
3. Use a minimum 1/16" wire hanger, cable or lightweight chain to suspend panels from joists or trusses.
4. Attach wire/cable from the structural ceiling by looping the wire/cable around ceiling joists or trusses.
5. Thread the tie wire/cable through the grommet or eye hook and then loop around the joists or trusses.
6. Twist the wire to complete connection.

Installing Vertically Suspended Wave Ceiling Baffles with Metal Corkscrew Hangers Perpendicular from Joists and/or Trusses:

1. Install a tight cable support system (by others) for wave baffle attachment
2. Secure anchors at both ends into the wall.
3. Use a minimum 1/16" wire, cable or lightweight chain to suspend panels from joists or trusses.
4. Attach the wire/cable, thread the cable above the lower bar of the joists, and use a turnbuckle to tighten the cable. For long runs of cable or wide spacing of joists or trusses, additional vertical cable support may be required.
5. Attach the panels to the wire/cable with tie wire. Tie wire connection should be snug to the cable to minimize panel slippage.

Ceiling — Hanging Wave Ceiling Baffles Using the Wall-to-Wall Technique:

1. Refer to **Figures 1–2** above for recommended corkscrew spacing on wave ceiling baffles. For vertical installations, maximum distance between corkscrew hangers should be no greater than 28”.
2. Determine the length of cable required to hang it across room.
3. Attach one end of the wire/cable to one wall or I-beam, where required, using a welded or bent eyebolt, and if necessary, eye turnbuckles for additional structural lateral support.
4. Use same attachment method for opposite wall and properly tighten.
5. Optional: Install center support hooks or eyes towards center of structural ceiling to counter cable sag. Amount and specific

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locations of center supports to be determined by structural engineer or licensed contractor.

6. Slip eye loop of corkscrew hanger over wire/cable. Turn eye loops perpendicular to the panels locking the cable in place. Of a center ceiling support is employed, slide panels from each end of the cable towards the center.
7. Slide panels across the cable. For a nice, even dispersion across the wire/cable/lightweight chain span, use cable spacers for desired spacing. The spacers can be used on the ends of cables to prevent panels from knocking into objects, and between panels to clear a path for HVAC ductwork and light fixtures.

General Notes:

1. Wave ceiling baffles come in white or light-grey, and are constructed of open-cell melamine foam.
2. Custom coatings to suit most color palettes available upon request.
3. Store wave ceiling baffles out of direct UV sunlight.
4. Avoid hanging wave ceiling baffles greater than 10 feet below the structural ceiling. Extensive wiring/cabling/chaining will cause wave ceiling baffles to swing if suspended between HVAC air streams.
5. If installing less than 1½" thick wave ceiling baffles in vertical ceiling applications, please consult with Acoustical Solutions for technical assistance as it is not recommended to go below 1½" thick.
6. Store and protect wave ceiling baffles from the elements and from damage.
7. Suspension hardware is not to be pre-installed.
8. Do not subject wave ceiling baffles to critical edge lighting without first consulting Acoustical Solutions.
9. If installing metal hardware in a corrosive environment such as an aquatic center, always use 316 stainless steel corkscrews and hardware.

List of accessories:

- Nominal 1/16" to 3/32" wire hanger, uncoated cable or lightweight chain
- Cable clamps
- ¼" to ⅜" eyebolts (2 per cable if wall to wall mounted)
- Standard galvanized rope thimble cable protector (if required)
- Turnbuckles
- 1¼" 316 Stainless Steel Corkscrew Hangers
- 2⅞" 316 Stainless Steel Corkscrew Hangers

Please consult Acoustical Solutions for technical assistance to suit your specific project requirements.

NOTE: If significant changes to structure are to be made, such as mounting cables into framing members, such installation impacts appropriately land in the purview of a structural engineer or general contractor licensed in the state where installation occurs.

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