

AlphaSorb® Acoustic Foam Wave Ceiling Cloud

Installation procedures for AlphaSorb® Acoustic Foam Wave Ceiling Clouds 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® Acoustic Foam Wave Ceiling Clouds.

Installing Metal Corkscrew Hangers in Wave Clouds:

1. For horizontal application, each wave ceiling cloud should be equipped with four 1¼" or 2⅞" (depending on thickness of panel) long corkscrew hangers. Maximum distance between hangers should be no greater than 24" for wave ceiling clouds. Use the diagram shown in **Figure 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 wave ceiling cloud as shown in **Figures 1-2**. It is recommended to place 4 corkscrews into the rear of the clouds, as shown.
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".

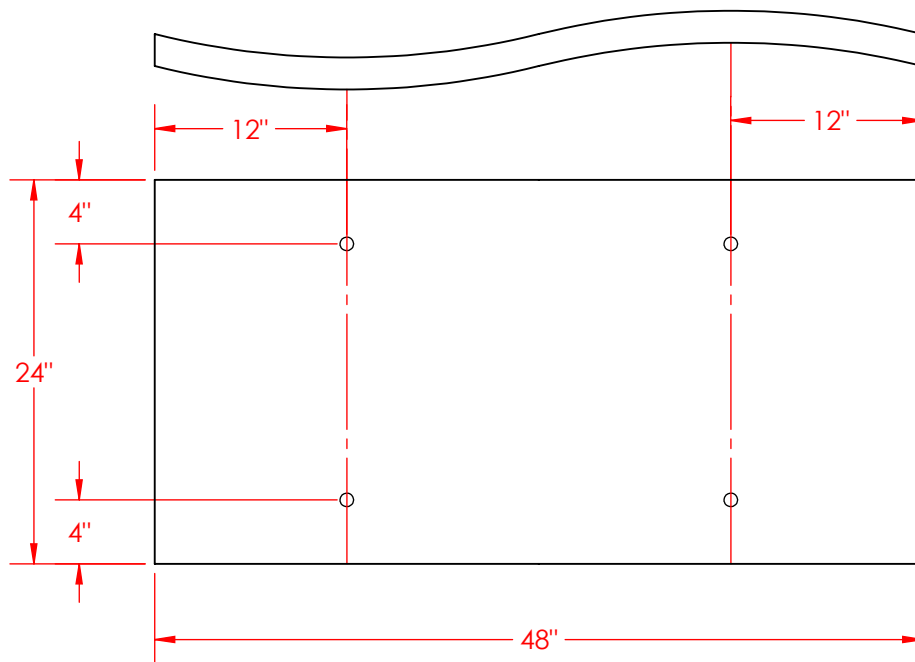


Figure 1: 24" x 48" Wave Ceiling Cloud

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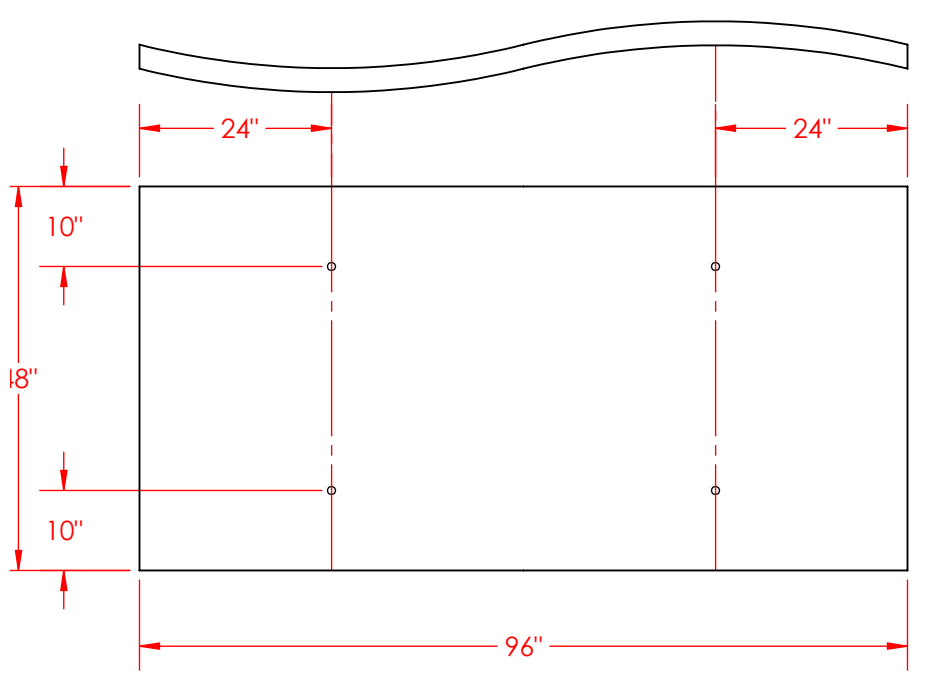


Figure 2: 48" x 96" Wave Ceiling Cloud

Installing Horizontally Suspended Wave Clouds with Metal Corkscrew Hangers Direct from Underside of Structural Ceiling:

1. To find the approximate distances away from the sides to install the corkscrew hangers, refer to **Installing Metal Corkscrew Hangers in Wave Ceiling Clouds**. Length of corkscrew dependent upon thickness of panel. Please consult with Acoustical Solutions for further technical assistance.
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.

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General Notes:

1. Wave ceiling clouds 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 clouds out of direct UV sunlight.
4. Avoid hanging wave ceiling clouds greater than 10 feet below the structural ceiling. Extensive wiring/cabling/chaining will cause wave ceiling clouds to swing if suspended between HVAC air streams.
5. If installing less than 1½" thick wave ceiling clouds in horizontal 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 clouds from the elements and from damage.
7. Suspension hardware is not to be pre-installed.
8. Do not subject wave ceiling clouds 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.

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