

# EchoPanel EchoCloud Diamond Installation Guide

**Note: Please read the entire Installation Guide before application.**

The installation guide is intended to provide installers with helpful information regarding EchoPanel® EchoCloud Diamond prior to installing the material. Kirei accepts no responsibility for installation actions taken or not taken. This installation guide is not intended to be an in-depth guide; installers' knowledge as experienced tradesman needs to be applied.

This installation guide serves only as a recommendation for installing and handling EchoPanel EchoCloud Diamond. If you have questions about application or techniques, contact Kirei at [www.kireiusa.com](http://www.kireiusa.com) or 619.236.9924.

## ECHOCLOUD DIAMOND SPECIFICATIONS

### What is EchoCloud Diamond?

Diamond Tiles are a unique three-dimensional tile made with EchoPanel, a decorative acoustically absorbant material with a felt-like finish. It is made from 100% PET thermally stable plastic which, depending on the color, contains up to 60% post-consumer content. EchoPanel is also recyclable in the PET waste stream. Please consult the EchoCloud Diamond spec sheet for material specifications.

### Fire Rating

EchoPanel EchoCloud Diamond is rated ASTM E84 Class C. EchoCloud Diamond can be treated to satisfy Class A requirements as needed. Check the Fire Rating requirements for your Project, Building or Municipality in advance. ASTM E84 test results can be obtained by contacting Kirei.

### Low VOC Material

EchoPanel is considered a low-VOC emitting material making it a healthy building option for interior finishes. EchoPanel is CDPH (CA 01350) Compliant TVOC: <0.5 mg/m<sup>3</sup>, and Ecospecifier GreenTag Compliant; TVOC: 0.015 MG/M<sup>2</sup>/HR (ASTM D5516).

### Handling and Storage

Keep it clean! EchoPanel is an absorbent material and traps dirt, grime and debris just as well as it does sound. White glove handling is recommended for prep, processing and installation. Kirei is not responsible for mishandling on the job site.

Keep it flat! If cutting, drilling or mounting hardware on site, make sure that EchoCloud Diamond is evenly supported on a flat, clean surface. Improperly handled material can crease.

Storage areas should be clean, dry, cool, and well ventilated.

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## Handling and Storage (Cont.)

All EchoCloud Diamond products are inspected prior to shipment. Kirei is not responsible for damage in shipment or in storage; customers should carefully inspect all items at time of delivery and note any obvious damage on the delivery receipt. For the customer's protection subsequently discovered concealed damage must be reported immediately to the carrier. Claims to Kirei will not be considered if the sheet has been worked by the customer or others. No claims for labor charges will be allowed in any circumstances.

To handle and store EchoCloud Diamond properly, follow these guidelines:

- Carefully inspect all material at time of delivery and note any obvious damage on the delivery receipt.
- Keep EchoCloud Diamond as clean as possible during storage. EchoCloud Diamond should be kept free from grease, wax, dust, and chips that could leave impression.
- Store EchoCloud Diamond indoors, in a dry, cool, well-ventilated area.
- Avoid exposure to heat 150°F (65°C) or greater.
- Keep table tops clean to avoid scratching.
- Inspect for defects, then recover for protection during fabrication.
- Wear clean white gloves when handling EchoCloud Diamond.
- Do NOT store EchoCloud Diamond near radiators, steam pipes, or in direct sunlight.

## Cleaning and Care

Remove dust and dirt by dusting, vacuuming, or with a soft cloth or sponge and a solution of carpet or upholstery shampoo. Always use a soft, damp cloth and blot dry. Spot cleaner such as ZEP Commercial Instant Spot Remover has been used with success for some light soil situations. No guarantee is given for cleaning results with this product.

## EchoCloud Diamond Parts Included:

- EchoCloud Diamond Clusters as ordered.
- Hex Leveling Connectors are provided with all EchoCloud Diamond orders. Depending on the exact layout, more may need to be ordered. Always submit an RCP with your quote request.
- (2) Adjustable Flat Tracks per element. Refer to spec sheet drawings and chart for length details.
- Fasteners and Track Attachment Kit.

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## Installation

Due to the great variance in over head environments, our Guidelines are meant to provide suggested placement only. Exact placement and suspension methods are subject to design specification, regional code, site-specific requirements, and installer judgment.

*Note: Installers are responsible for supplying the 3/64" - 1/16" aircraft cable and the code compliant ceiling mounting hardware.*

1. Determine the location of install and ensure that cable path from ceiling is unobstructed.
2. Mount the flat track 2" – 6" inset from the edge of the cloud using the provided #8 screws.

*Note: When mounting the flat track to the cloud clusters, be sure to keep pressure off of the points of the diamond elements. It is recommended practice to lay one diamond cluster on a clean surface on its flat back and nest the second cluster into it. This should keep the points from getting pressed in.*

*Alternatively, if you do not have multiple diamond elements, keep the cloud element tilted up at a 45° angle while installing the flat track to keep the points from being pressed into your clean flat surface.*

3. Select the appropriate eyebolts or set screws, thread onto square nuts, slide into position along the flat track and tighten.
4. Attach installer-supplied ceiling mounting hardware and make cable drops.
5. Determined specified height from floor, attach cable drops to flat track hardware and level.

## Connecting Clusters

When hanging multiple contiguous clusters, Kirei will provide connectors and hardware to keep the seams tight. These are hexagonal connectors with grooves for the provided screws. Once the Diamond elements have been installed nested closely together, these connectors can be added to keep the clusters from shifting or separating. Apply the connector from the top of the elements and span the seam so that there is a V-cut on either side of the seam. Install provided screws into the seams.



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## **Work Safety**

In the interest of work safety, it is recommended that people working with Kirei EchoCloud Diamond wear the appropriate safety equipment. Although the product emits zero off-gases, masks and gloves should be worn to ensure the maximum possible safety precautions. For an SDS form, please contact Kirei at [info@kireiusa.com](mailto:info@kireiusa.com) or 619-236-9924.

## **Final Note**

Kirei will not be responsible for any cutting or mounting not performed by Kirei staff.

**For any other questions or concerns, please contact Kirei.**