

# EchoPanel EchoLine Installation Guide

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

The installation guide is intended to provide installers with helpful information regarding EchoPanel EchoLine 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 EchoLine. If you have questions about application or techniques, contact Kirei at [www.kireiusa.com](http://www.kireiusa.com) or 619.236.9924.

## EchoPanel EchoLine Specifications

EchoLine is a decorative acoustically absorbent panel 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.

## Fire Rating

EchoLine 12mm panels are rated ASTM E84 Class C. EchoLine 12mm panels 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! EchoLine 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 EchoLine is evenly supported on a flat, clean surface. Improperly handled material can crease.

Keep it vertical! Full sheets and long strips should all be carried like glass or thin plywood sheets, vertically on edge to avoid creasing. EchoLine is thermally stable material and naturally wants to remain flat or vertical. EchoLine panels should be stored flat. Storage areas should be clean, dry, cool, and well ventilated.

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## Handling and Storage (Cont.)

EchoLine is a soft material which may be damaged by impression or impact, and may be soiled by contact with dirty surfaces or hands. Maintain clean work surfaces and wear clean gloves while handling EchoLine.

All EchoLine 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 EchoLine properly, follow these guidelines:

- Carefully inspect all material at time of delivery and note any obvious damage on the delivery receipt.
- Store EchoLine sheets horizontally, with support under full sheets.
- Keep EchoLine sheets as clean as possible during storage. Both sides of EchoLine should be kept free from grease, wax, dust, and chips that could leave impression. Store EchoLine sheets 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 the sheets.
- Before cutting the sheets, inspect the whole sheet for defects, then recover for protection during fabrication.
- Wear clean white gloves when handling the sheets.
- Do NOT store EchoLine sheets 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.

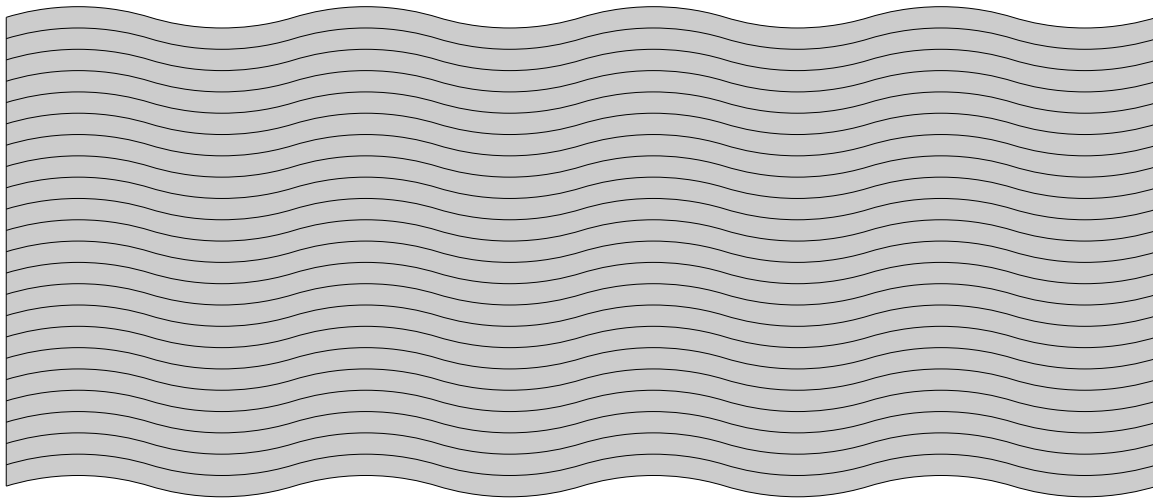
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## Manual Trimming

EchoLine can be readily cut or trimmed with a utility knife. Use a new, clean blade and change blade as needed to maintain high quality cuts. Use a straight edge as a guide. Hold the knife as vertically as possible and make long, continuous cuts in the same direction using a straightedge as a guide. Typically 3-4 passes are needed to safely cut through 12mm EchoLine. Hand trimming is not recommended for abutting panels. For more information on cutting EchoLine, please re-view the EchoPanel Panel Installation Guide located on [www.kireiusa.com](http://www.kireiusa.com).

## EchoLine Wavy Note

The EchoLine Wavy 2.0 panel comes as shown below with 2 undulating edges and 2 straight edges.



If installing abutted into a corner, ceiling or soffit, cutting will need to be done on-site to match the geometry of the wall.

## Mounting Installation

EchoLine panels can be fixed to surfaces by adhesives or mechanical fasteners or hung using a variety of hanging hardware. For best acoustic results it may be desirable to leave an air gap behind the EchoLine panels. This may be done with wood or other battens, standoffs, or by cutting strips of EchoLine to use as furring strips. For a full list of installation options, please review the EchoPanel Panel Installation Guide located on [www.kireiusa.com](http://www.kireiusa.com).



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## Construction Adhesives

EchoLine may be adhered to walls with adhesives, double sided tape or hook-and-loop removable products. There are many options with using adhesives; however these adhesives may leave some residue on the EchoLine that must be removed when recycling the panels.

Recommended adhesives include:

- Loctite PowerGrab Construction Adhesive
- Loctite PL 3X Premium Construction Adhesive
- Liquid Nails LN903 Heavy-Duty Construction Adhesive
- AFM Safecoat Almighty Adhesive (solvent free solution)
- ChemLink BuildSecure Construction Adhesive (solvent free solution)

NOTE: DO NOT USE PVA GLUE. Follow manufacture instructions on all adhesives and use appropriate adhesive for substrate.

## Work Safety

In the interest of work safety, it is recommended that people working with Kirei EchoLine 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.**