

# Embossed Panel Series Installation Guide

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

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

## **ECHOPANEL SPECIFICATIONS**

### **What is the Embossed Panel Series?**

The Embossed Panel Series is made from EchoPanel®, a decorative surface material offering acoustic performance with a felt-like finish. It is made from 100% PET thermally stable plastic which, contains at least 60% post-consumer content. EchoPanel is also recyclable in the PET waste stream. Please consult the Embossed Panel Series spec sheet for material specifications.

### **Fire Rating**

The Embossed Panel Series is rated ASTM E84 Class A. 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. The Embossed Panel Series is ASTM D5116 Rate: 0.023 mg/m<sup>2</sup>/hr (7 days).

### **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 products from the Embossed Panel Series are 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 products from the Embossed Panel Series 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 products from the Embossed Panel Series properly, follow these guidelines:

- Carefully inspect all material at time of delivery and note any obvious damage on the delivery receipt.
- Keep products from the Embossed Panel Series as clean as possible during storage. Products from the Embossed Panel Series should be kept free from grease, wax, dust, and chips that could leave impression.
- Store products from the Embossed Panel Series 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 products from the Embossed Panel Series.
- Do NOT store products from the Embossed Panel Series 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.

## Installation

### Preparation

Carefully plan your installation to ensure you have sufficient panels for the project. Plan, measure and mark your layout in advance to ensure accuracy of placement. Adhesive for products in the Embossed Panel Series is very strong and is not designed for repositioning or adjusting.

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## **Preparation Cont.**

Before mounting on wall, check light sources. Products from the Embossed Panel Series have grainlines and will reflect light differently if not installed accordingly.

Note: Ensure all Woven Image stickers, located on the corner of the boards, face the same direction.

## **Manual Trimming**

Products from the Embossed Panel Series 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 the panels. Hand trimming is not recommended for abutting panels. For more information on cutting products from the Embossed Panel Series, please review the EchoPanel Panel Installation Guide located on [www.kireiusa.com](http://www.kireiusa.com).

## **Mounting**

Prior to installation, ensure the surface area to which the panels are going to be fixed is smooth, clean and free from dust or any other contaminant that may impede the installation. We recommend a test panel be used on the substrate to determine that the adhesive is suitable for the application.

Products from the Embossed Panel Series should be installed with standard construction adhesive (no PVA glue). Apply adhesive to the back of the panel in a regular pattern, leaving room at the edges for glue to spread.

After applying adhesive, mount products from the Embossed Panel Series per layout and maintain even pressure per adhesive manufacturer instructions. Clean any excess adhesive.

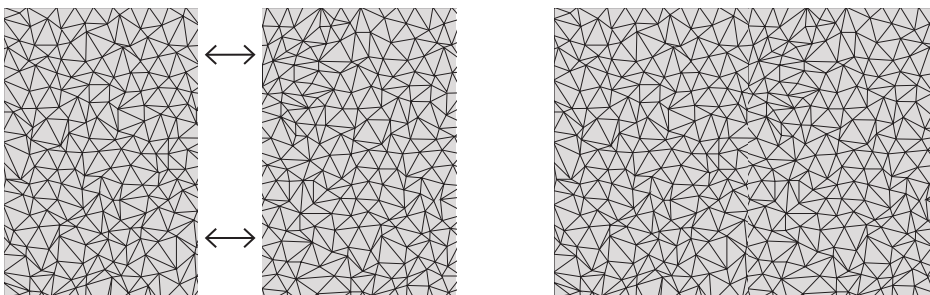
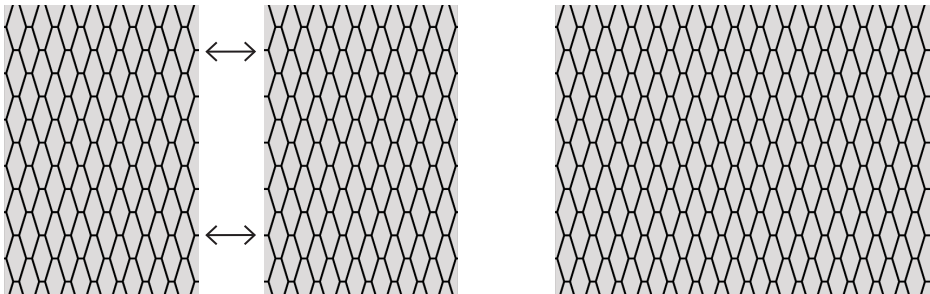
Products from the Embossed Panel Series can be fixed to surfaces by adhesives or mechanical fasteners. For best acoustic results it may be desirable to leave an air gap behind the panels. This may be done with wood or other battens, or by cutting strips of EchoPanel to use as furring strips. For a full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

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## Important Notes:

### Gem and Ion

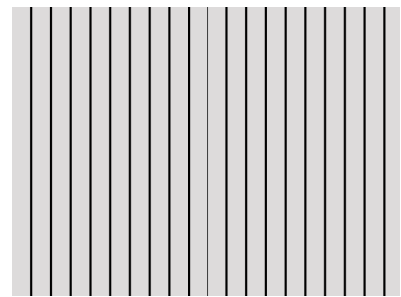
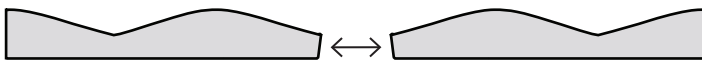
- Gem and Ion pattern repeat on all four sides allowing for side by side and double height applications.
- When working with a corner wall it is recommended to apply from the corner outwards to maintain a consistent pattern.
- To assist in accurate pattern matching on a continuous wall, Gem and Ion have been trimmed on all four edges with a straight blade.
- When butting panels together, ensure the peaks and valleys in the design meet as shown.



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## Zen

- To assist in accurate pattern matching on a continuous wall, Zen has been trimmed on all four edges with a unique 5 degree bevel.
- Zen has a beveled edge on all four sides of the panel to assist with butt joining.
- Align from the bottom of the valley. Until the surface of the panels meet, a small unseen void will be present as shown below.



## Work Safety

In the interest of work safety, it is recommended that people working with products from the Embossed Panel Series 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.**