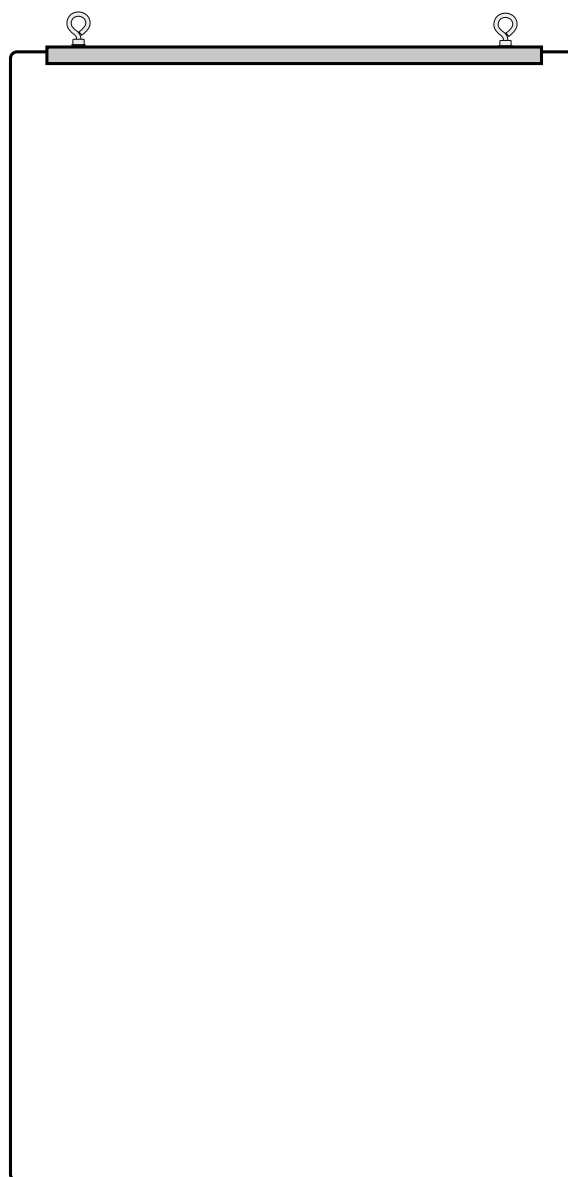


ECHOSCREEN®

INSTALLATION GUIDE



kiRei

IMPORTANT INFORMATION

Installation

Please read the entire Installation Guide prior to application. This installation guide is intended to provide installers with helpful information regarding EchoScreen prior to installation. Kirei accepts no responsibility for installation actions taken or not taken. This installation guide is not intended to be an in-depth guide; installer's knowledge as an experienced tradesman needs to be applied.

If you have questions about application or techniques, contact Kirei. Kirei will not be responsible for any cutting or mounting not performed by Kirei staff.

Terms of Trade

All EchoScreens 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 on by the customer or others. No claims for labor charges will be allowed in any circumstances.

Work Safety

In the interest of work safety, it is recommended that people working with EchoScreens 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.

Cleaning

See the [Handling and Cleaning Guide](#) for more information.

EchoScreen Specs

See the [EchoScreen Spec Sheet](#) for product details and information.

Product & Installation Questions

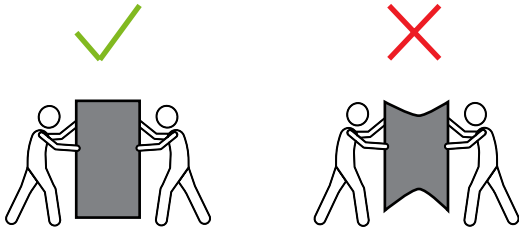
PH: 619.236.9924

Email: info@kireiusa.com

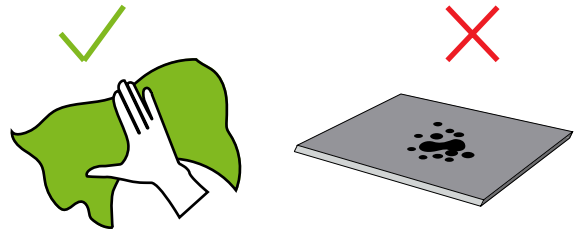
Web: kireiusa.com

HANDLING

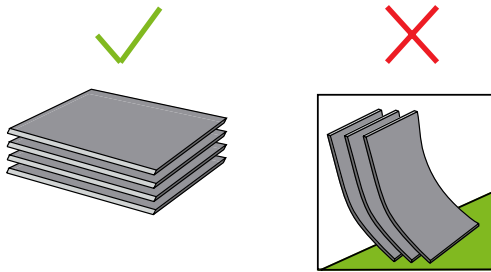
Carry boxes and screens upright.



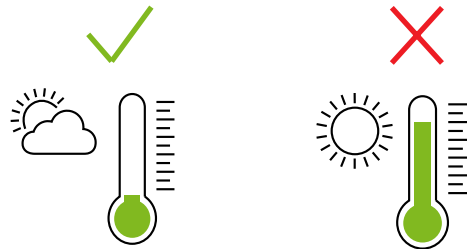
Keep all surfaces clean for storage and fabrication.



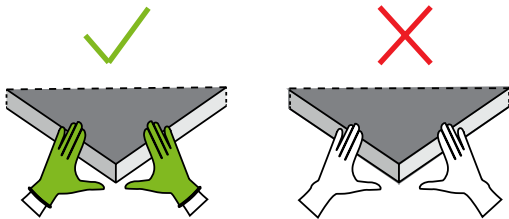
Store boxes and screens flat.



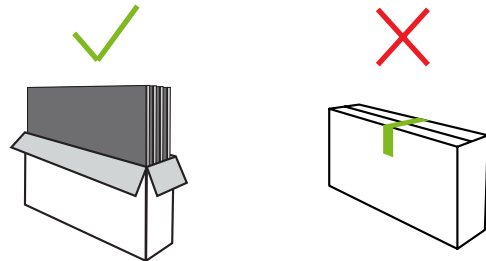
Store in a cool, dry place with no direct sun.
Avoid 145 degree temperatures or greater.



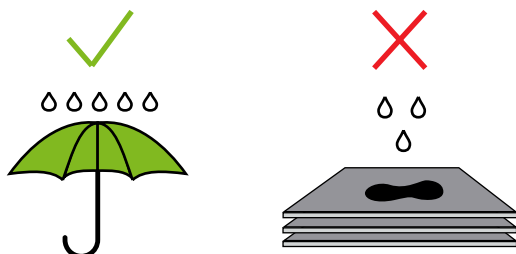
Wear gloves for handling light colors.



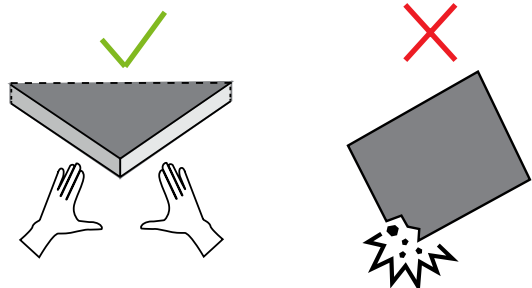
Upon delivery, inspect all goods for order corrections and damage.



Keep product dry and avoid humidity.



Protect the edges.



PRODUCT NOTES

EchoScreen Cutout Removal

After the screens are installed, remove the precut cutouts by hand. Support back of screens firmly, and press out cutout shapes by hand using gentle firm pressure with finger or blunt instrument such as the eraser end of a pencil. **Do not put excessive pressure on unsupported screens in order to avoid creasing.** If the cutout shape is not fully cut through, an Exacto-type blade may be used to cut any remaining material.

Standoffs

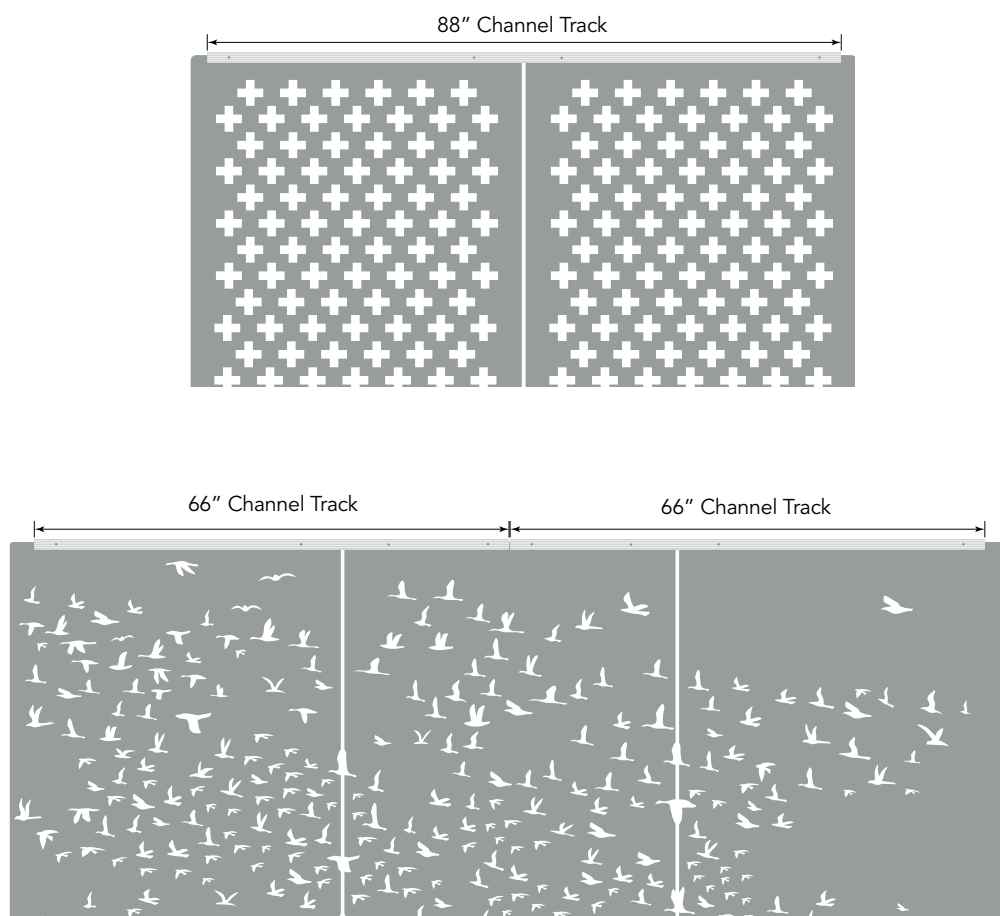
Standoffs can be used for installing screens and is an available hardware option when ordering screens. To use this installation method for a project, request standoffs when specifying and Kirei will provide custom instructions for each screen style used. Some screens require design changes to accommodate for stand offs.

Alternative Installation Hardware

Kirei has multiple alternative ways to install EchoScreen based on spacial needs; however, these alternative installation variations may require extra hardware at an additional cost. Contact Kirei for more information.

Abutting Screens

Abutting screens capability depends on the style of screen. Screens with a rectangular shape, much like the Classic Screens, are ones that can abut. All other Kirei screens do not have the capability to abut.



PRODUCT NOTES

4+ EchoScreen Installation

When installing 4 or more abutted (sequential) EchoScreens, even numbers of panels will include 66" Channel Tracks for each end and 42" Channel Tracks for the center panels. Odd numbers of screens will include a 66" Channel track for each end and 90" Channel Tracks for the center panels.

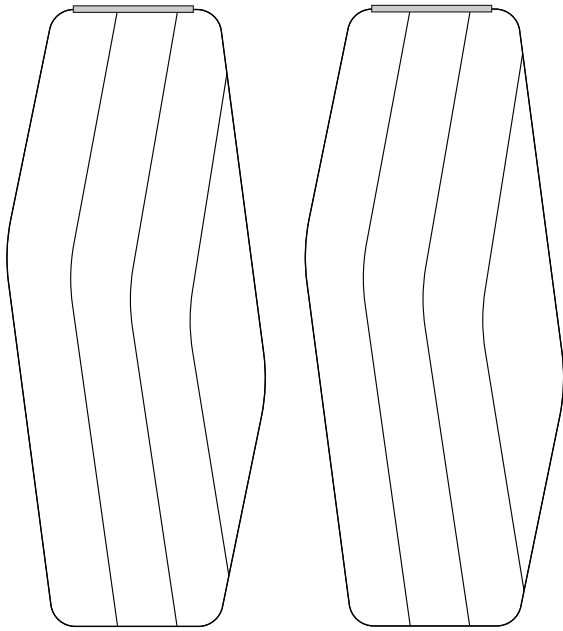
4+ EchoScreen Installation

Depending on quantity of screens, follow either the 2-EchoScreen installation steps or Triptych EchoScreen installation steps. Contact Kirei for more information.

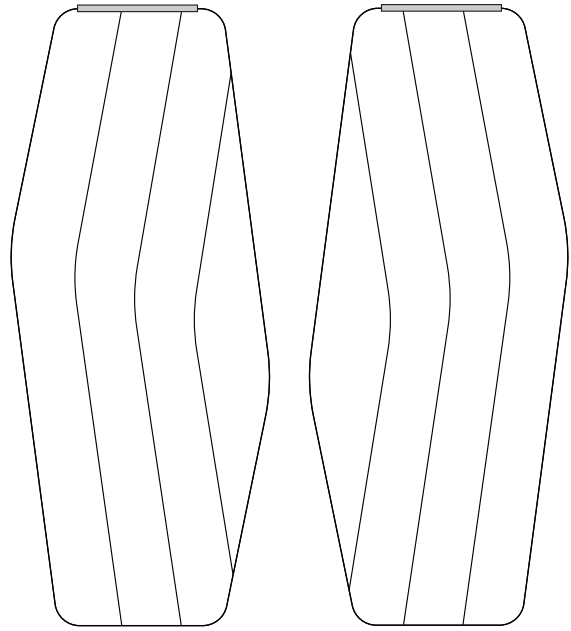
PRODUCT NOTES

Repeatability/Mirroring

Screens can be installed in a continuous repeating pattern or mirrored pattern. See the examples below.



Repeating

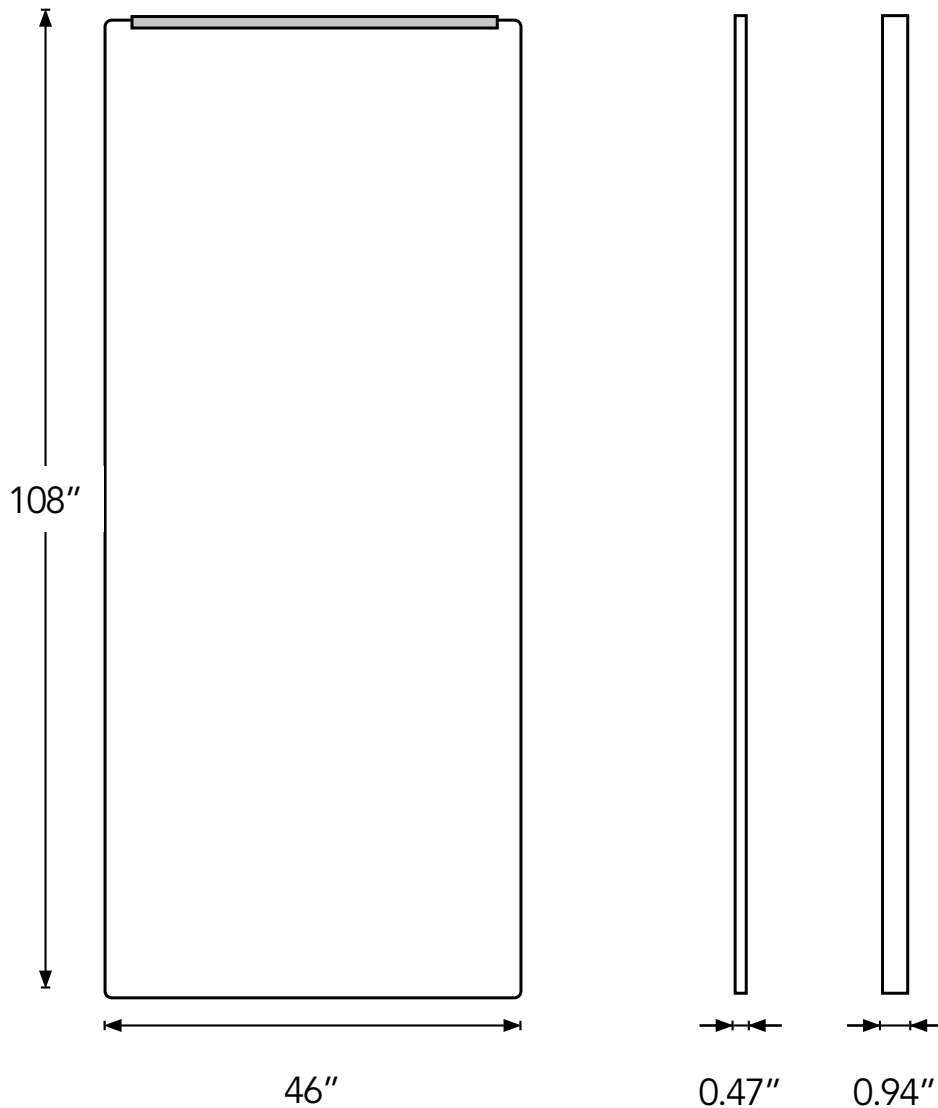


Mirrored

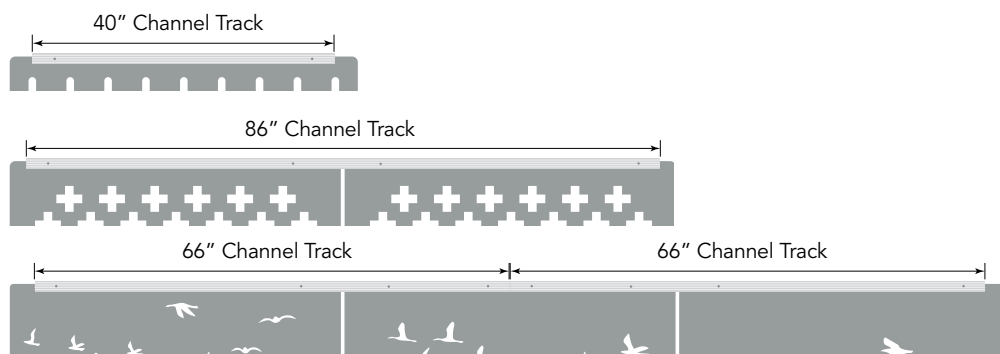
DIMENSIONS

EchoScreen Front View

EchoScreen Side View



Channel Track Lengths



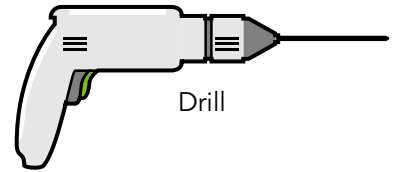
TOOLS MAY BE NEEDED



Level



Hex Driver



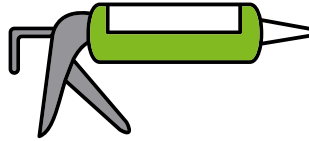
Drill



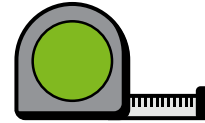
Screw Driver



Wrench



Adhesive



Tape Measure

NOTE: Not all tools are needed for installation, but depending on install choice, could be used.

ITEMS INCLUDED



EchoScreen



A.



B.



C.



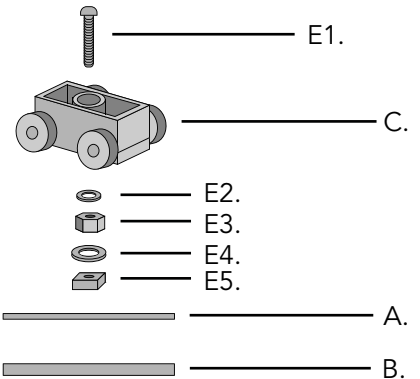
D.



E.

Opt 1: Standard Hanging
(1 Channel Track per screen)

- A. - (1) Channel Track
- B. - (2) 1/4"-20 Male Threaded Screws
- C. - (2) Eyebolts and (2) Hex Nuts
- D. - (2) Mounting Screws
- E. - (2) Square Nut



Opt 2: Rolling Track
(1 Rolling Track per screen)

- A. - (1) 8" Rolling Track
- B. - (1) 8" U-Channel
- C. - (2) Carriers
- D. - (2) Rubber Stoppers (Ordered upon request)
- E. - (2) Fastener Kits
 - E1. - Mounting Screws
 - E2. - Split Lock Washer
 - E3. - Hex Nut
 - E4. - Nylon Washer
 - E5. - Square Nut

OPTIONAL ITEMS (NOT INCLUDED)



Aircraft Cable



Set Screw Attachment







Eyebolt Attachment

NOTE: These are optional items that could potentially be used depending on installation.





STANDARD HANGING INSTALLATION

EchoScreen is most commonly installed through the standard hanging method. Screens can be hung individually or arrayed in groups, either in repeated or mirrored patterns.

-  Clean and prepare surface. Then, attach channel track.
-  Insert square nuts into channel track, and use the set screw or the eyebolt depending on what was chosen for the cable attachment. *Set screws require 4mm hex tool and should be turned until fully tightened.*
-  Add the suspension cable/chain/rod/etc to the screen attachments, and then fasten appropriate attachments to the screen hardware. Note: Ceiling mounting hardware, suspension items, and pendant attachments are not included.
-  Once the ceiling hardware is installed, attach the connector to the supplied attachment hardware and level the screen/s.

ROLLING TRACK INSTALLATION

Rolling tracks can be installed in continuous runs or side-by-side for bypass or overlapping screens. Rolling tracks are clear anodize architectural grade aluminum and can be cut to length on-site.

-  Clean and prepare surface. Install the rolling track(s) on the ceiling as specified for the project. *Due to variation in ceiling structure and local code, Kirei does not provide mounting fasteners or direction for this step.*
-  Preassemble the rolling track hardware. Using a 4.5mm hex tool and 7/16" wrench firmly tighten the machine screw, lock washer, and hex nut.
-  Slide the square nut into the channel track, keeping the nylon washer on the top and the square nut inside the track. Using the hex tool, position each carrier.
-  Determine the specified range of travel for each screen and mount the stoppers within the rolling track using the provided fasteners.

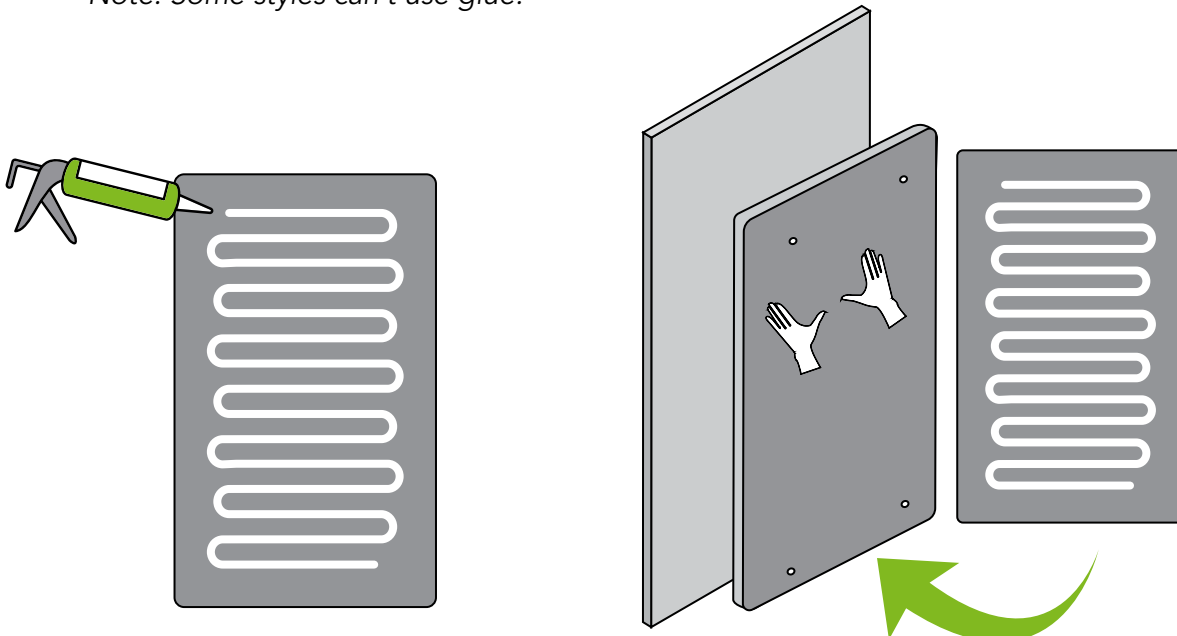
DIRECT MOUNT INSTALLATION

EchoScreens can be adhered to walls and ceiling using adhesive. The recommended adhesives to use with EchoScreens 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), and ChemLink BuildSecure Construction Adhesive (solvent free solution). **Do not use PVA Glue for an adhesive for PET screens.**

- 1** Clean and prepare surface per adhesive guidelines. Then, apply adhesive evenly on tile back, leaving 3" of space between outer edges of screen and any cutouts.

- 2** Adhere to wall surface per layout and maintain even pressure per adhesive manufacturer time and instructions. Clean off any excess adhesive.

Note: Some styles can't use glue.

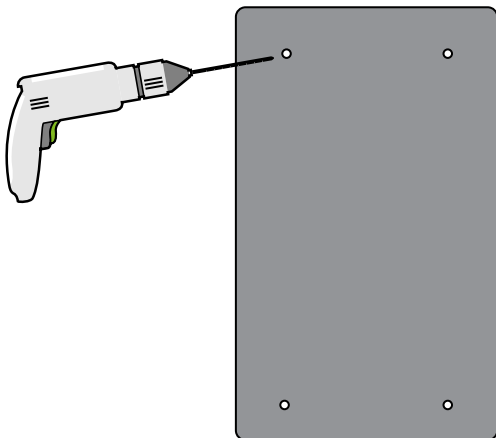


MECHANICAL FASTENERS INSTALLATION

EchoScreens can be fastened to surfaces using mechanical fasteners such as nails, screws or staples where appropriate. Ensure proper fasteners to match substrate are used. The benefit of using mechanical attachments is that they can be removed completely without leaving residue in order to allow the screens to be recycled fully. Don't over tighten fasteners to avoid denting or pillowing the screen surface and don't use self-tapping screws to hang large screens. Nails or screws should be fastened into battens or suitable substrates.

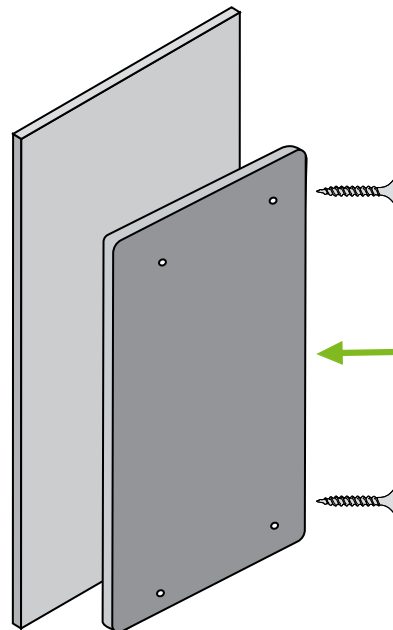
1

Clean and prepare surface. Hardware placement to be determined per project. Drilled holes should be slightly oversized to allow for thermal expansion and contraction. Insure drilled holes have smooth edges.



2

Fasten screen to wall surface per layout. Use washers for better load distribution and to prevent pull-through. Also, use metal inserts if frequent assembly/reassembly is required.





CONTACT INFORMATION

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Web: kireiusa.com

Our Mission

Kirei strives to inspire a beautiful world by providing architects, interior designers, and placemakers with sustainable architectural design elements for inspiring healthy spaces.

Committed To Sustainability

Kirei prioritizes sustainable design in our materials and our process. Our products must contain a minimum of 50% or more recycled material, meet or exceed CDPH standards for VOCs, and must be Red List Free and Declare Label qualified/certified. From tiles made of plastic bottles to baffles filled with Nike Grind, being "green" is a key quality of all our products.

Our Proven Process

Our proven process is simple and guides all that we do. We listen and learn the needs of a designer's project to inspire and assist through the specification process. We get the spec right, working with installers and contractors to get accurate bid information. We provide best-in-class service that includes reliable delivery and installer support, ensuring that each project gets exactly what it needs when it needs it. Finally, we celebrate the designer, their project, and the win!