

Acoustic Slat Wall Panel

PANELUX™

INSTALL GUIDE





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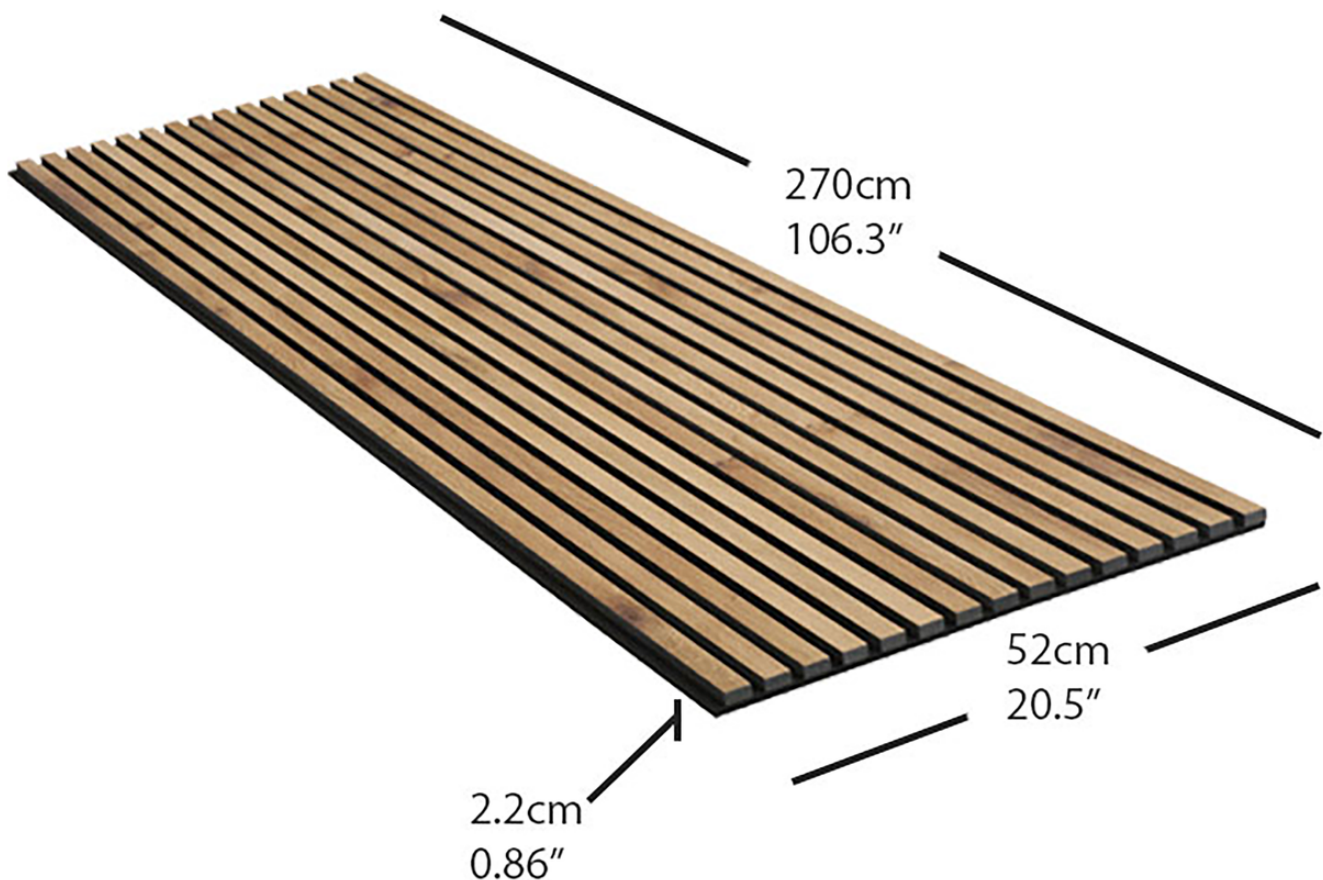
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SECTION 01

Acoustic Wood-Slat Wall Panel

Our acoustic slat wall panels are specifically designed for easy and efficient installation. We suggest securing the panels directly to your wall using screws through the acoustic felt or with the recommended adhesive.



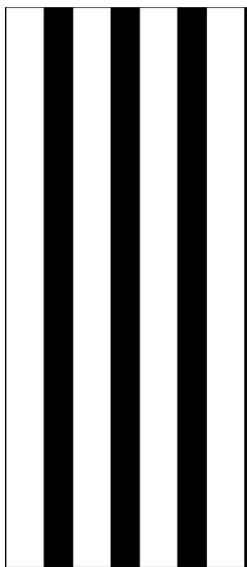
Each panel covers 15.33 sqft

SECTION 01

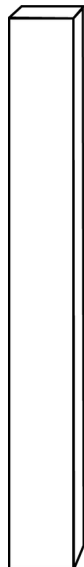
Before You Begin

Before starting the installation process, ensure you have the following tools and materials:

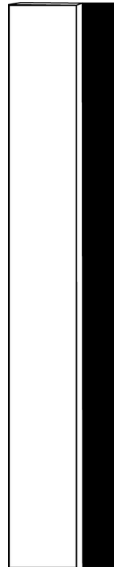
Main Tools and Materials



Wood Slat Wall Panel (PANELUX™)



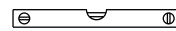
Finish Edge



Felt Strip



Sanding Block



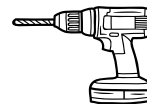
Level



Pencil



Screws (1 1/4")
Use appropriate colour to match acoustic felt



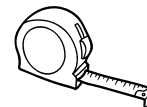
Power Drill



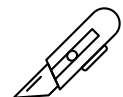
Circular Saw
(60 tooth blade recommended)



Painters Tape

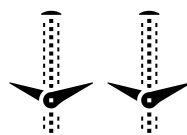


Tape Measure



Utility Knife

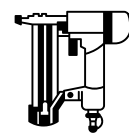
Alternative Tools



Wall Anchors
(if applicable)



Stud finder
(if applicable)



Brad Nailer
(if applicable)



Brad Nails
(18 Gauge | if applicable)

SECTION 02 | INSTALL PANELS

Step 01: Measure and Plan

Measure the Wall: Use a measuring tape to determine the height and width of the wall where you plan to install the PANELUX™ Acoustic Slat Wall Panels.

Panel Layout: Plan the layout of the panels on the wall. Consider the desired pattern and spacing between panels. This step is crucial to achieving a balanced and aesthetically pleasing arrangement.



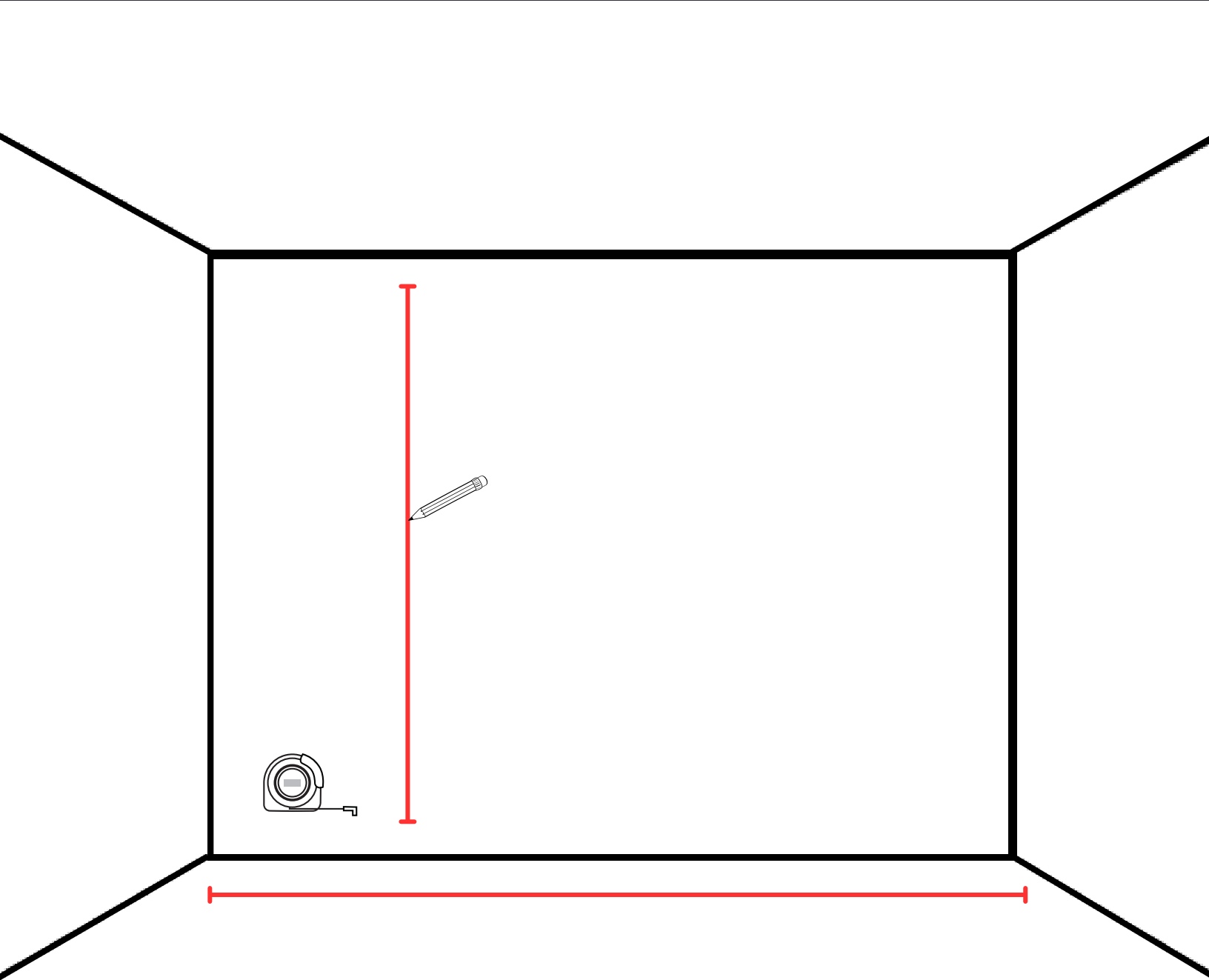
Step 02: Marking the Wall

2.1 Vertical and Horizontal Guidelines: Use a pencil and level to mark a vertical guideline on the wall according to your planned layout. This will serve as a reference for placing the first panel accurately.

2.2 Panel Starting Point: Identify the starting point for the installation. It's often best to start from the center or a specific corner, depending on the design.

SECTION 02 | INSTALL PANELS

Step 02: Marking the Wall



SECTION 02 | INSTALL PANELS

Step 03: Cutting the Panel

Measure and Mark: Measure the size you need the panel to be. Be precise to ensure the best fit.

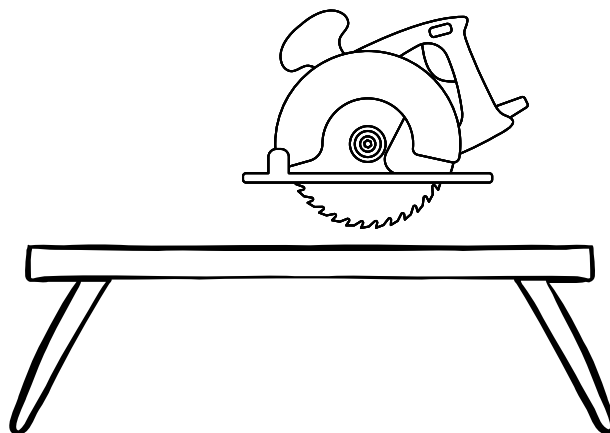
Use a pencil and a straight edge or carpenter's square to mark the cutting line on the panel.

Prepare Your Work Area: Secure the panel on a workbench or another stable surface. Ensure it is supported along the entire length to prevent the material from chipping or cracking during the cut. * See tips below

Clamp the panel down to prevent it from moving.

Set Up Your Saw: Equip your circular saw with a fine-toothed blade.

Set the blade depth to just slightly thicker than the panel to ensure a clean cut and reduce tear-out.



SECTION 02 | INSTALL PANELS

Step 03: Cutting the Panel

Cut the Panel: Put on your dust mask and safety glasses before cutting. Align the saw with the marked line, and begin cutting using a steady, even pressure. Do not rush; let the saw do the work.

Keep your hands clear of the blade and follow all safety instructions for your saw.

Sand the Edges: Once the cut is made, use sandpaper to smooth any rough edges. If the panel is finished, be careful not to sand away any surface treatment more than necessary.

Step 03: Cutting the Panel (Tips)

Blade Choice: Use a blade with more teeth for a finer cut. Blades designed for cutting plywood or laminate are often suitable for cutting acoustic panels.

Preventing Splintering: You can apply painter's tape along the cut line before marking and cutting to help prevent splintering.

Test Cut: If possible, make a test cut on a scrap piece of similar material to ensure your setup will provide a clean cut.

SECTION 02 | INSTALL PANELS

Step 03: Cutting the Panel (Tips)

Cutting Between Stapled Areas: If your cut line is between two of the staple lines on the back of the acoustic felt, we recommend either resecuring the slat to the acoustic felt from the felt side. Use of either a 5/8th staple or 5/8th finishing screw. If using a screw, pre-drilling may be required.

Cutting the Acoustic Felt: The acoustic felt backing can also be cut with a razor blade knife by scoring through the felt a few times.

Step 04: Mounting the Panels

4.1 Pre-Drilling Holes: For each panel, pre-drill holes through the felt at the marked locations using a power drill, panels can be installed either into the wall stud or a drywall anchor.

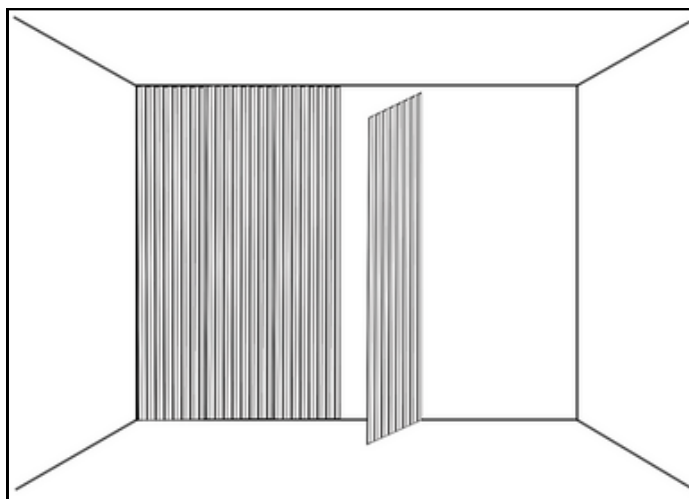


SECTION 02 | INSTALL PANELS

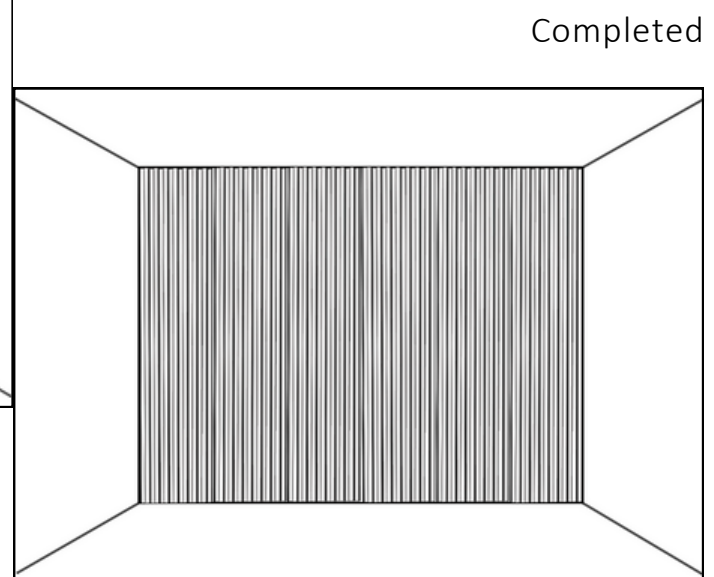
Step 04: Mounting the Panels

4.2 Attaching the Panels: Place the first panel on the wall, aligning it with the guidelines. Secure the panel in place by inserting screws through the pre-drilled holes. Slide longer felted edge into the overhung slat of the previous panel to ensure proper spacing. Repeat this process for the remaining panels, ensuring proper alignment and spacing.

4.3 Using Adhesive: Alternatively, the panels can also be installed with an adhesive like No More Nails or PL Premium directly onto the back of the panel and then brad nail, or screw through the felt to hold the panel in place while the adhesive dries.



Install Process



Completed

SECTION 02 | INSTALL PANELS

Step 05: Finishing Touches

5.1 Inspect the Installation: Once all panels are securely mounted, inspect the installation for alignment and stability.

5.2 Touch-Up and Cleaning: If necessary, touch up any visible marks or dust with a cloth or a mohair attachment on a vacuum.

ADDITIONAL TIPS

Stud Placement: If possible, anchor the panels into wall studs for added stability. Use a stud finder to locate and mark the stud positions.

Install PANELUX™ on Top of the Baseboard: We recommend this to prevent damage to the slat when cleaning the floor.

Consult PANELUX™ Support: If you encounter any issues during installation or have specific questions, refer to the PANELUX™ installation manual or contact their customer support for assistance.

SECTION 03 | INSTALLING AN OUTSIDE CORNER

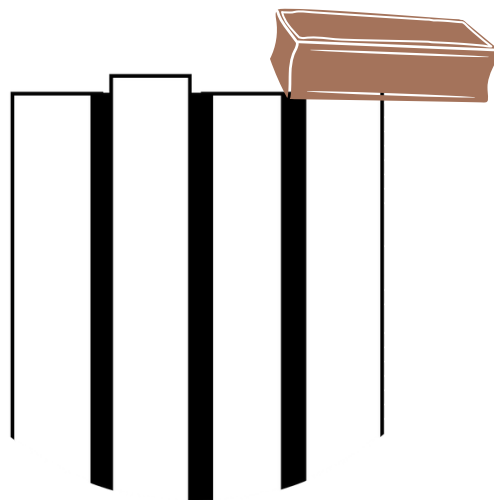
Step 01: Measure and Plan

Using a PANELUX™ felted finish edge as an outside corner with PANELUX™ acoustic slat wall panels involves a few key steps to ensure a clean, professional appearance. Here's a general guide on how to do this:

- Measure the length of the wall corner where you intend to install the PANELUX™ panels and finish edge.
- Plan the layout of the slat panels to ensure they fit the corner area with minimal adjustments.

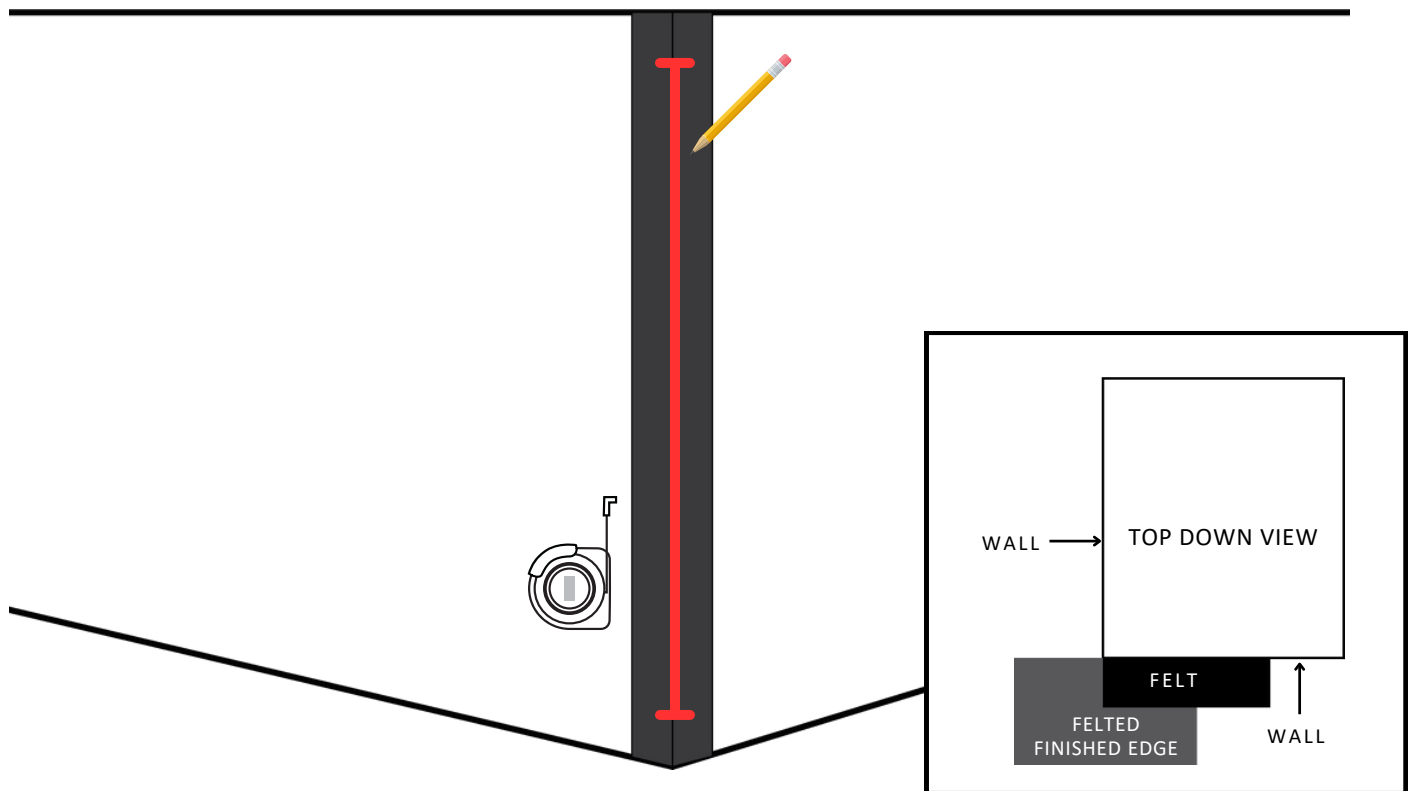
Step 02: Prepare the Panels

- Cut the acoustic slat wall panels to the required lengths, making sure they fit the corner space perfectly. Sand the cut edges for a smooth finish.



SECTION 03 | INSTALLING AN OUTSIDE CORNER

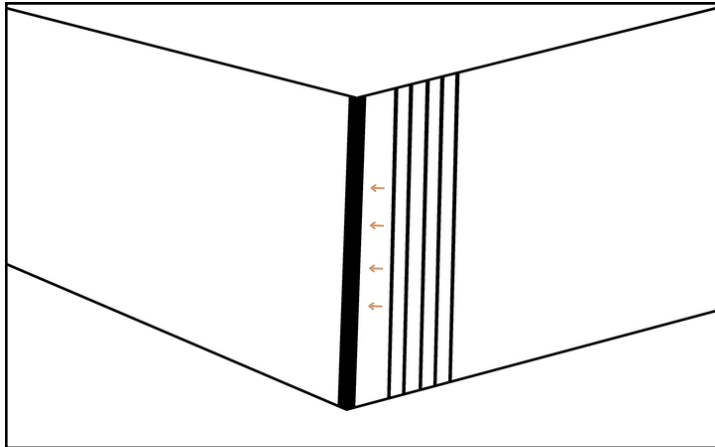
Step 03: Install the Finish Edge



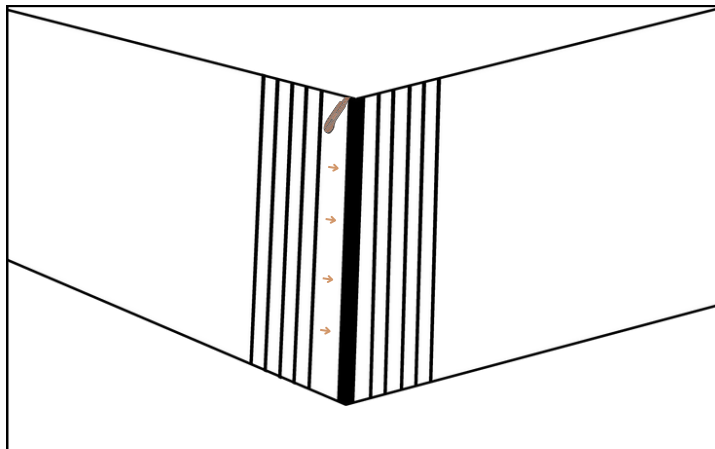
- Measure and cut the PANELUX™ felted finish edge piece to match the height of the installed slat panels at the corner.
- If necessary, sand the cut edges of the finish edge piece for a smooth finish.
- To begin the outside corner, install the felted finish edge along the corner and overlap the corner by 7/8 inch. This will allow the panels to be aligned correctly when the panels are installed.

SECTION 03 | INSTALLING AN OUTSIDE CORNER

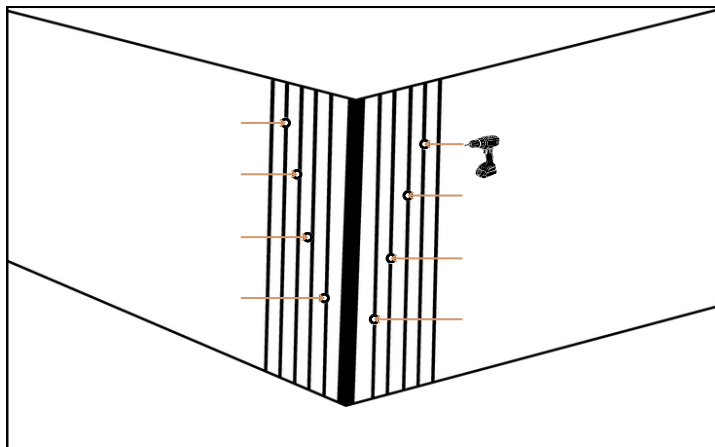
Step 04: Install the Panels



- Begin by installing the PANELUX™ acoustic slat wall panels on the felted finish edge side of the corner. Begin by installing the first panel overlapping the felted finish edge to maintain the correct 13 mm spacing.



- On the opposite outside corner, remove 1/4" off the felted edge of a new PANELUX™ panel before installing it on the wall to maintain the correct 13mm spacing.



- Use a drill to secure the panels in place with screws, or adhesive following the PANELUX™ installation instructions.

SECTION 03 | INSTALLING AN OUTSIDE CORNER

Step 05: Final Adjustments

- Make any necessary adjustments to ensure the panels and finish edge are securely attached and aligned properly.
- Wipe down the panels and finish edge to remove any dust or debris from the installation process.

Step 06: Inspection

- Conduct a final inspection of the corner installation to ensure everything is secure and aesthetically pleasing.

Tips:

- Wear appropriate safety gear, such as gloves and eye protection, during cutting and drilling.
- Use a level throughout the installation to ensure that everything is straight and aligned.

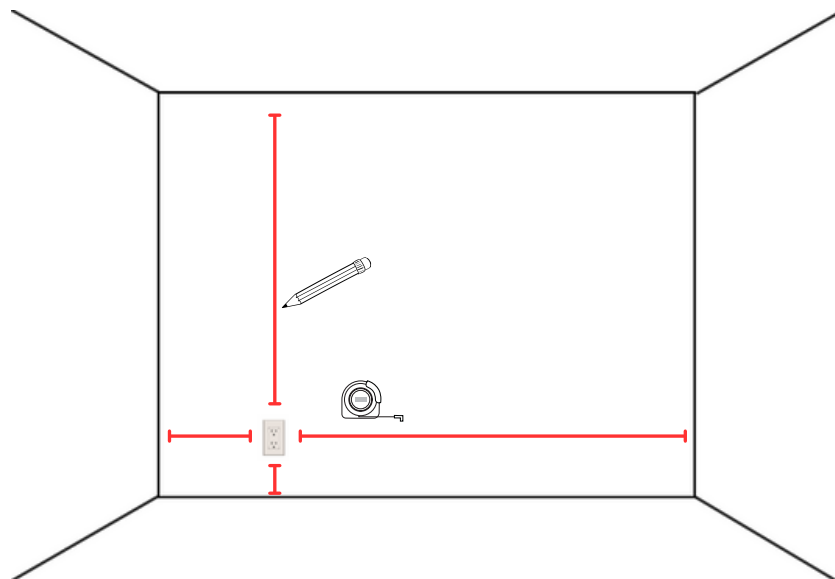
SECTION 04 | AROUND OUTLETS

Step 01: Safety First

Installing PANELUX™ acoustic slat wall panels around an electrical outlet or switch box requires precision and careful planning to ensure safety and maintain the aesthetic appeal of the wall. Here's a step-by-step guide to help you with this process:

Step 02: Measure and Mark

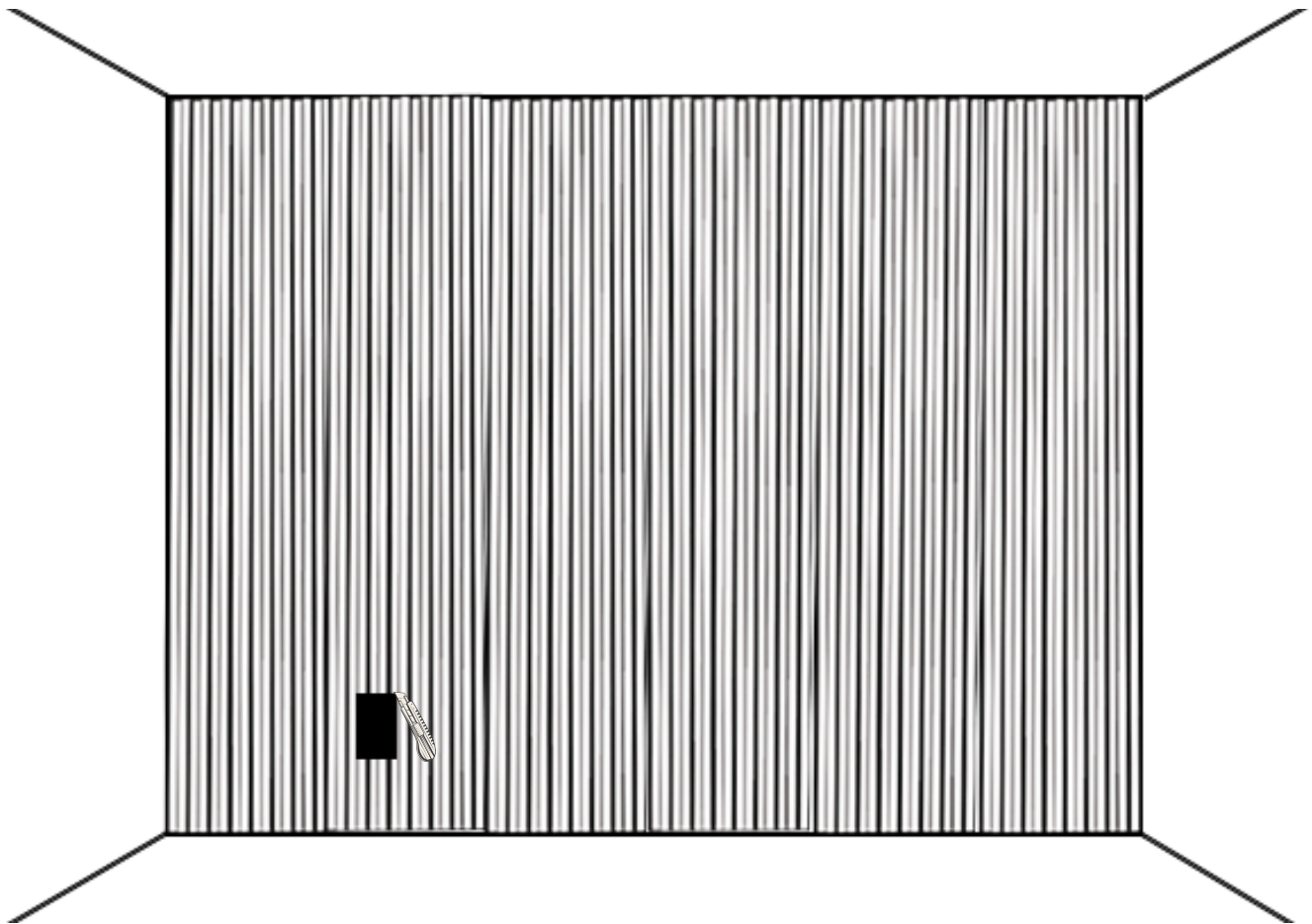
- Measure the location of the electrical or switch box in relation to the panel to be installed. Take note of the height and width of its location.
- Transfer the measurements of the electrical or switch box onto the panel. Ensure your marks are straight and accurate.



SECTION 04 | AROUND OUTLETS

Step 03: Cut Out For Electrical Box

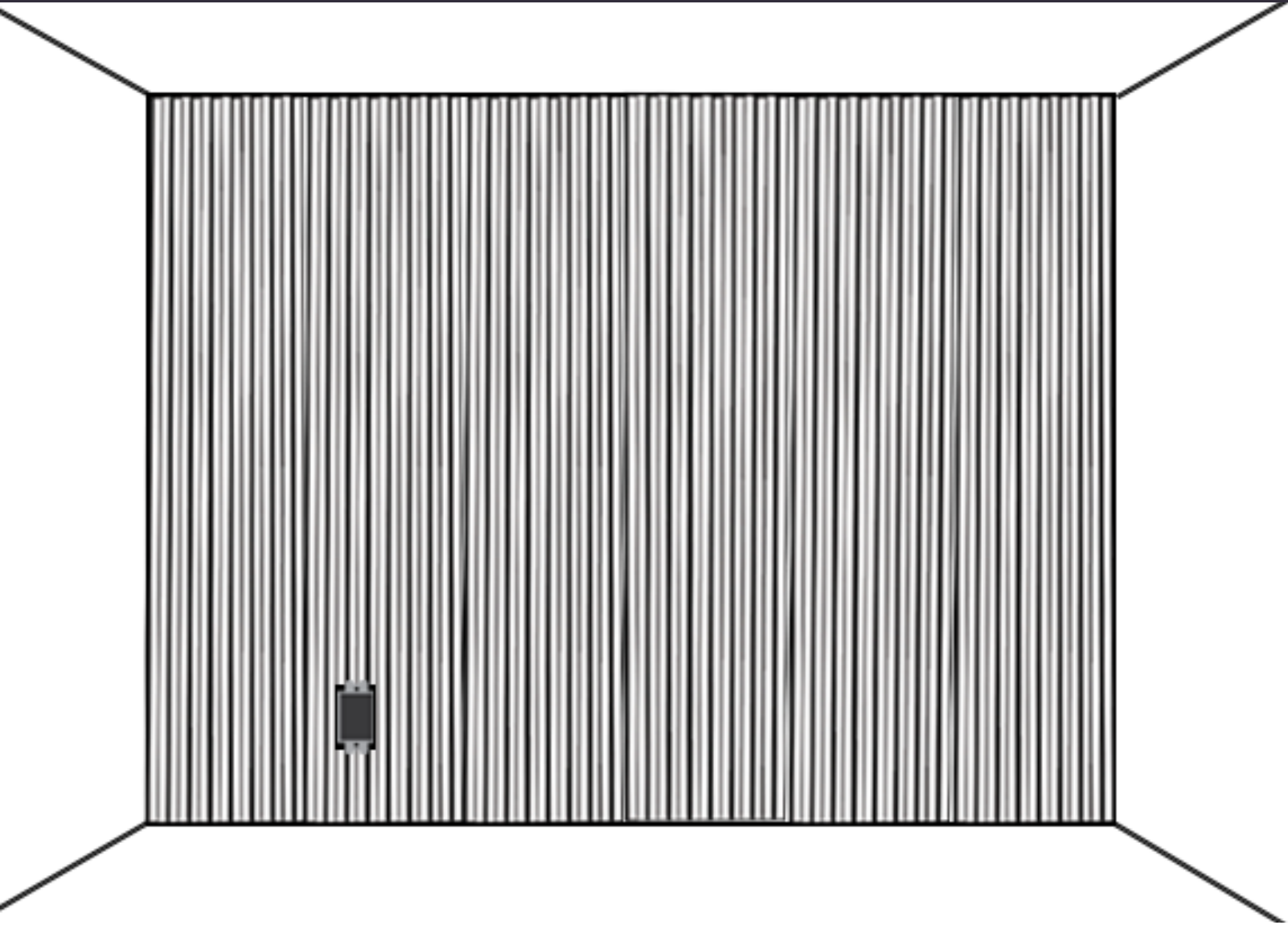
- Using a utility knife and a fine-tooth saw, carefully cut out the marked area on the PANELUX™ panel. Ensure the cut is precise so the panel fits snugly around the electrical or switch box.



- Dry fit the panel around the electrical box or switch box to check for accuracy. Make any necessary adjustments.

SECTION 04 | AROUND OUTLETS

Step 04: Prepare for Installation



- We recommend the use of a “electrical box extender” to bring the original electrical outlet or switch box out by 7/8 inch to be flush with the surface of the PANELUX™ panel.

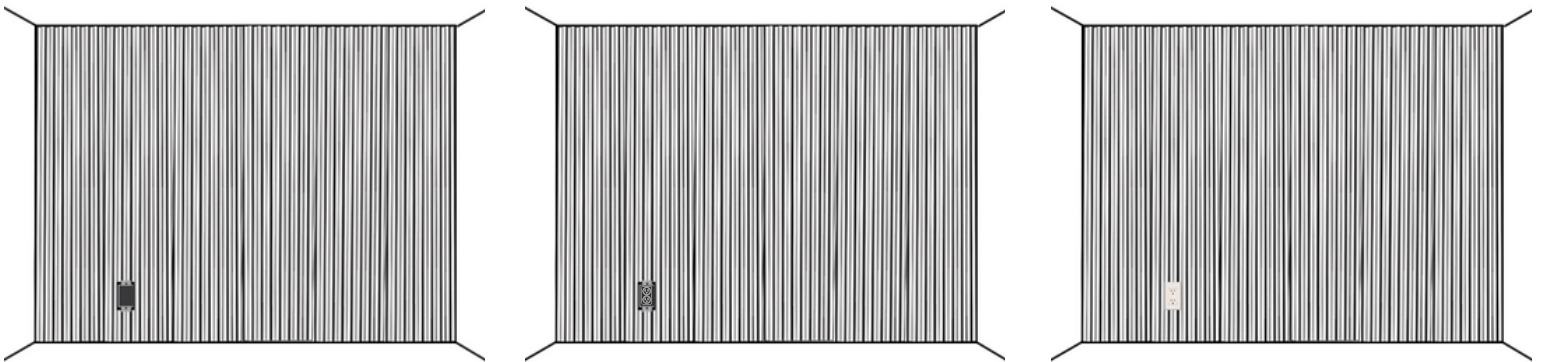
SECTION 04 | AROUND OUTLETS

Step 05: Install the Panel

- Once the cutout is ready, and you've ensured a good fit around the electrical outlet or switch box, proceed with installing the PANELUX™ panel according to the install instructions.

Step 06: Adjust Electrical Outlet

- If you've used an electrical box extender, install it according to its instructions. This usually involves attaching it to the existing outlet box and ensuring its level and flush with the new surface of the PANELUX™ panel.



- Reinstall the outlet into the box extender, ensuring it's properly secured and that all connections are tight. Use longer screws if necessary to accommodate the thickness of the new panel.

SECTION 04 | AROUND OUTLETS

Step 07: Test and Finish

- Once the electrical outlet or switch has been installed and the panel is in place, turn the power back on and test the electrical outlet or switch to ensure it's working correctly.
- Install the outlet cover. It should sit flush against the PANELUX™ panel.

Tips:

- Always prioritize safety when working around electrical components. If you're unsure about handling electrical work, consider consulting a licensed electrician.
- Take your time when measuring and cutting to ensure a clean, professional appearance around the outlet.
- Be mindful of the depth of the PANELUX™ panels and the outlet. Ensure that the electrical components do not get compressed or damaged during installation.

This guide provides a general approach to installing PANELUX™ acoustic slat wall panels around an electrical outlet. Always follow any specific instructions provided by PANELUX™ or consult with a professional if you're unsure about any steps.

SECTION 05 | WALLS GREATER THAN 9'

Step 01: Measure and Plan

Installing PANELUX™ acoustic slat wall panels in heights greater than 9' takes careful planning to maintain the aesthetic appeal of the wall. These are the best practice that we have found.

1.1 Measure the Wall: Use a measuring tape to determine the height and width of the wall where you plan to install the PANELUX™ Acoustic Slat Wall Panels.

1.2 Panel Layout: Plan the layout of the panels on the wall. Consider the desired pattern and spacing between panels. This step is crucial to achieving a balanced and aesthetically pleasing arrangement.

Step 02: Marking the Wall

2.1 Vertical and Horizontal Guidelines: Use a pencil and level to mark vertical and horizontal guidelines on the wall according to your planned layout. This will serve as a reference for placing the panels accurately.

2.2 Panel Starting Point: Identify the starting point for the installation. It's often best to start from the center or a specific corner, depending on the design.

SECTION 05 | WALLS GREATER THAN 9'

Step 03: Mounting the Panels

3.1 Pre-Drilling Holes: For each panel, pre-drill holes through the felt at the marked locations using a power drill, panels can be installed either into the wall stud or a drywall anchor. Slide longer felted edge into the overhung slat of the previous panel to ensure proper spacing. Repeat this process for the remaining panels, ensuring proper alignment and spacing.

3.2 Attaching the Panels: Place the first panel on the wall, aligning it with the guidelines. Secure the panel in place by inserting screws through the pre-drilled holes. Repeat this process for the remaining panels, ensuring proper alignment and spacing.

3.3 Using Adhesive: Alternatively, the panels can also be installed with an adhesive like No More Nails directly onto the back of the panel and the brad nailed through the felt to hold in place while the adhesive dries.

Finishing Touches

4.1 Inspect the Installation: Once all panels are securely mounted, inspect the installation for alignment and stability.

4.2 Touch-Up and Cleaning: If necessary, touch up any visible marks or dust with a cloth or a vacuum brush attachment.

SECTION 05 | WALLS GREATER THAN 9'

Additional Tips

Additional Tips:

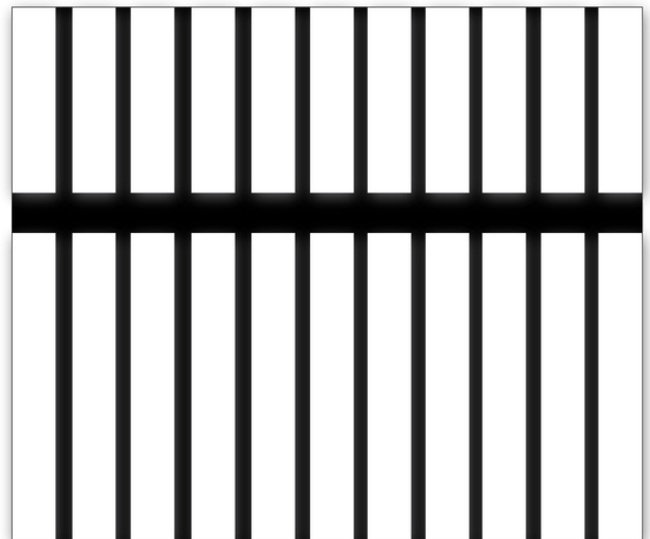
- Stud Placement: If possible, anchor the panels into wall studs for added stability. Use a stud finder to locate and mark the stud positions.
- Consult PANELUX™ Support: If you encounter any issues during installation or have specific questions, refer to the PANELUX™ installation manual or contact their customer support for assistance.

When installing PANELUX™ on walls taller than 9 feet, it is recommended not to stack panels one on top of the other without adding a transition of one form or another.

We have developed a “Felt Only” strip to place horizontally to create an

intentional break to place PANELUX™ panels on top of each other.

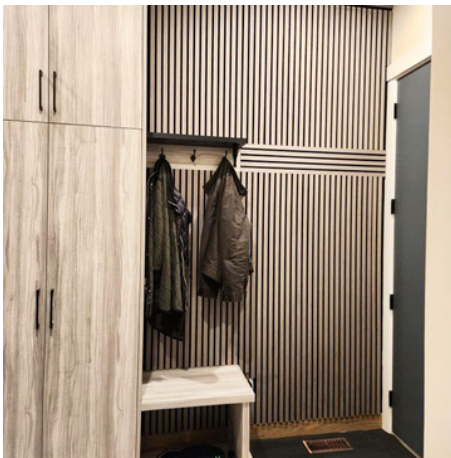
We call this “Panelization” This intentional break can be placed at any height to achieve the look and design that you would like to achieve.



SECTION 05 | WALLS GREATER THAN 9'

Additional Tips

A second option is to incorporate a horizontal or diagonal design element which serves both as an aesthetic feature and functional break synonymously. This can be composed of either PANELUX™ panels, or millwork of your choice. By adding a feature that runs horizontally or diagonally can serve as both an aesthetic feature and a functional break to seamlessly connect the lower and upper portions of the installation, and to make the transition to greater heights more cohesive.



After reaching this stage and deciding on the most suitable method for transitioning beyond 9 feet, it's important to continue with the installation process by following our standard installation guidelines. These guidelines are designed to ensure that the installation is carried out correctly, safely, and to the highest standard, ensuring the durability and aesthetic appeal of the finished structure. Adhering to these guidelines will help in achieving a seamless and professional-looking installation, regardless of the height or complexity of the project.

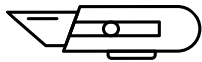
SECTION 06 | REPLACING A DAMAGED SLAT

Tools & Materials Needed

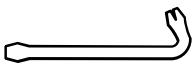
Replacing a single slat in a PANELUX™ slat wall system can be a delicate process, as it typically involves removing the damaged slat without disturbing the surrounding slats. Here is a step-by-step guide:



- Replacement wood slat (from PANELUX™)



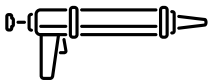
- Knife



- Flat pry bar or a trim puller



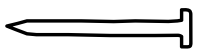
- Rubber mallet or a soft-faced hammer



- Adhesive (if needed)



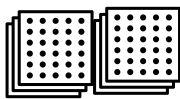
- Finish nails or screws



- Nail set (if using finish nails)



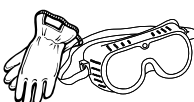
- Wood filler (to match the slat, if necessary)



- Fine-grit sandpaper



- Touch-up paint or stain (if necessary)



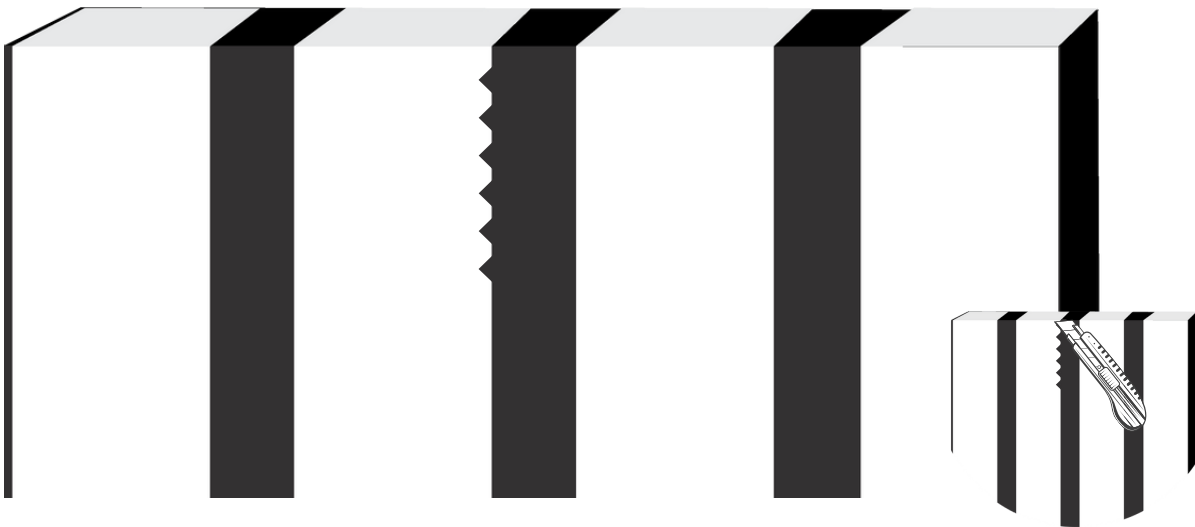
- Protective eyewear and gloves

SECTION 06 | REPLACING A DAMAGED SLAT

Step 01: Identify The Damaged Slat

- Carefully inspect the slat wall to locate the slat that needs replacement.
- Clear the area around the slat, removing any objects on the slat wall.

Step 02: Remove the Damaged Slat

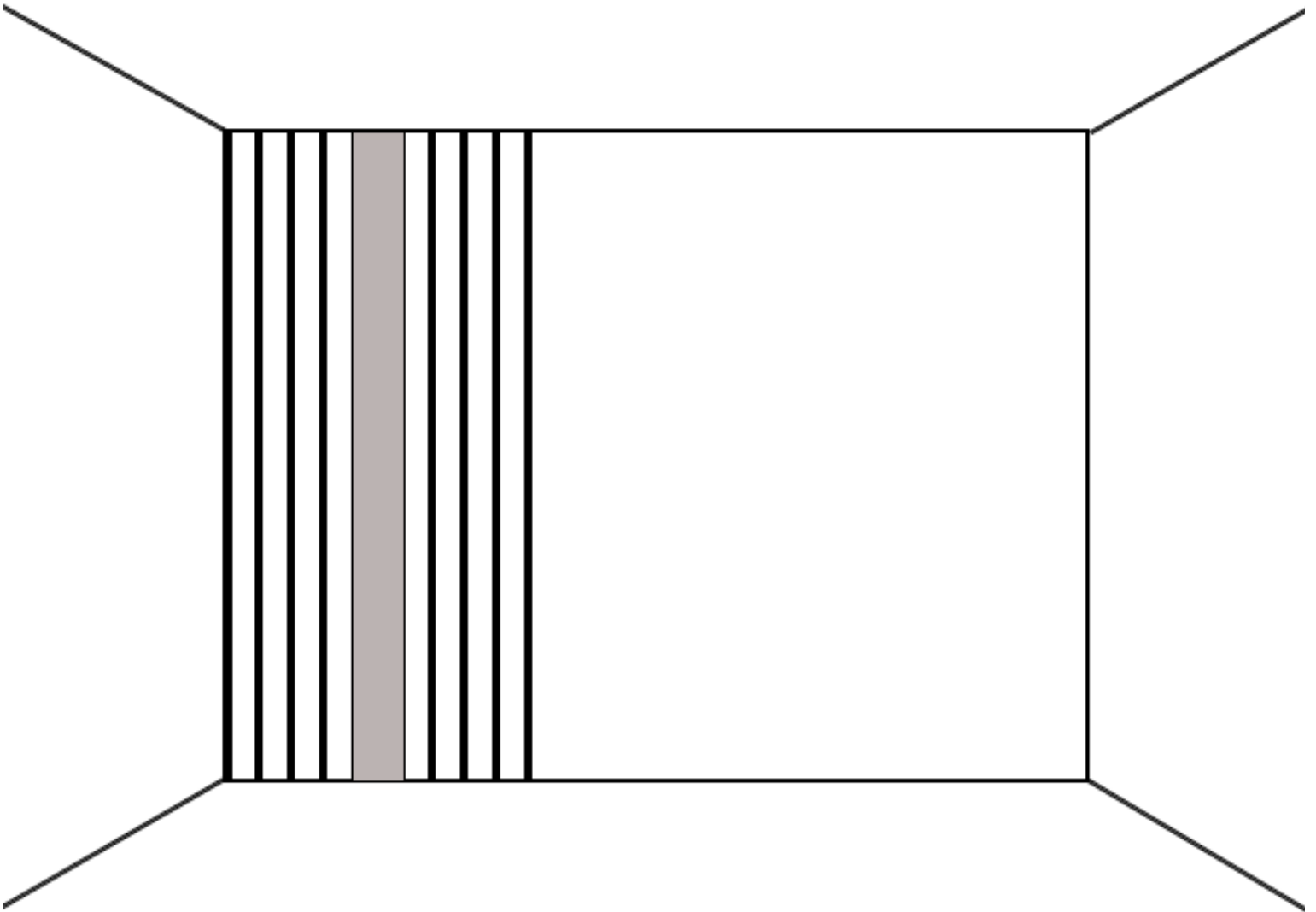


- Cut out the damaged area including the 13mm felt on each side of the damaged slat with a sharp knife. Remove the damaged slat with felt attached from the wall.
- If the panel was glued to the wall, you might need to use a small pry bar to lift the felt and slat off the wall. Use caution to not damage the surrounding felt and wood slats.

SECTION 06 | REPLACING A DAMAGED SLAT

Step 03: Prepare the Space

- Once the damaged slat is removed, clean out any debris from the slot or groove where it was installed.

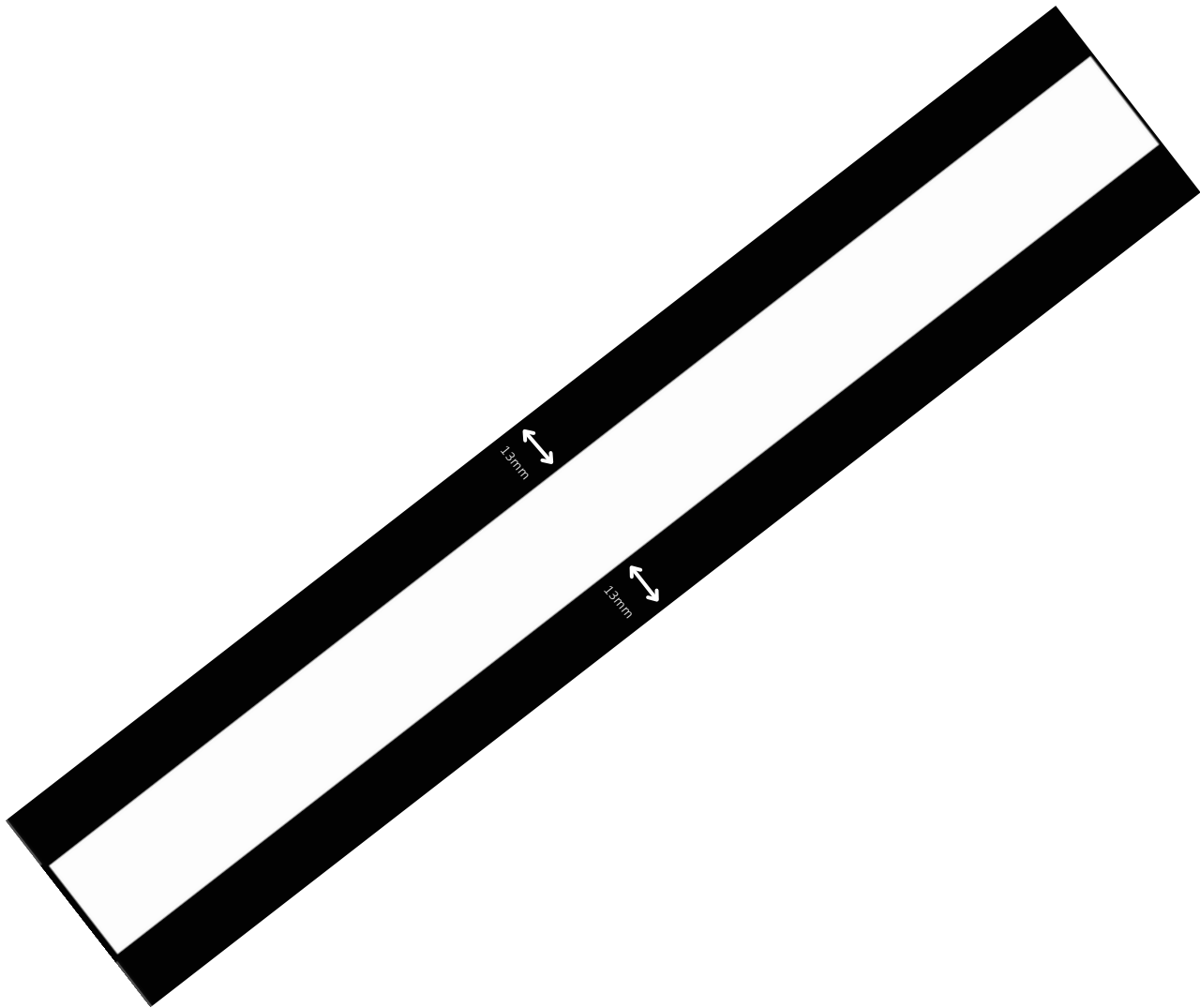


- If there was adhesive, remove any significant residue that might prevent the new slat from sitting flush.

SECTION 06 | REPLACING A DAMAGED SLAT

Step 04: Fit the New Slat

- On a spare panel, using a sharp knife, cut the replacement slat including 13mm of felt on each side. Remove the slat with felt attached from the new panel.

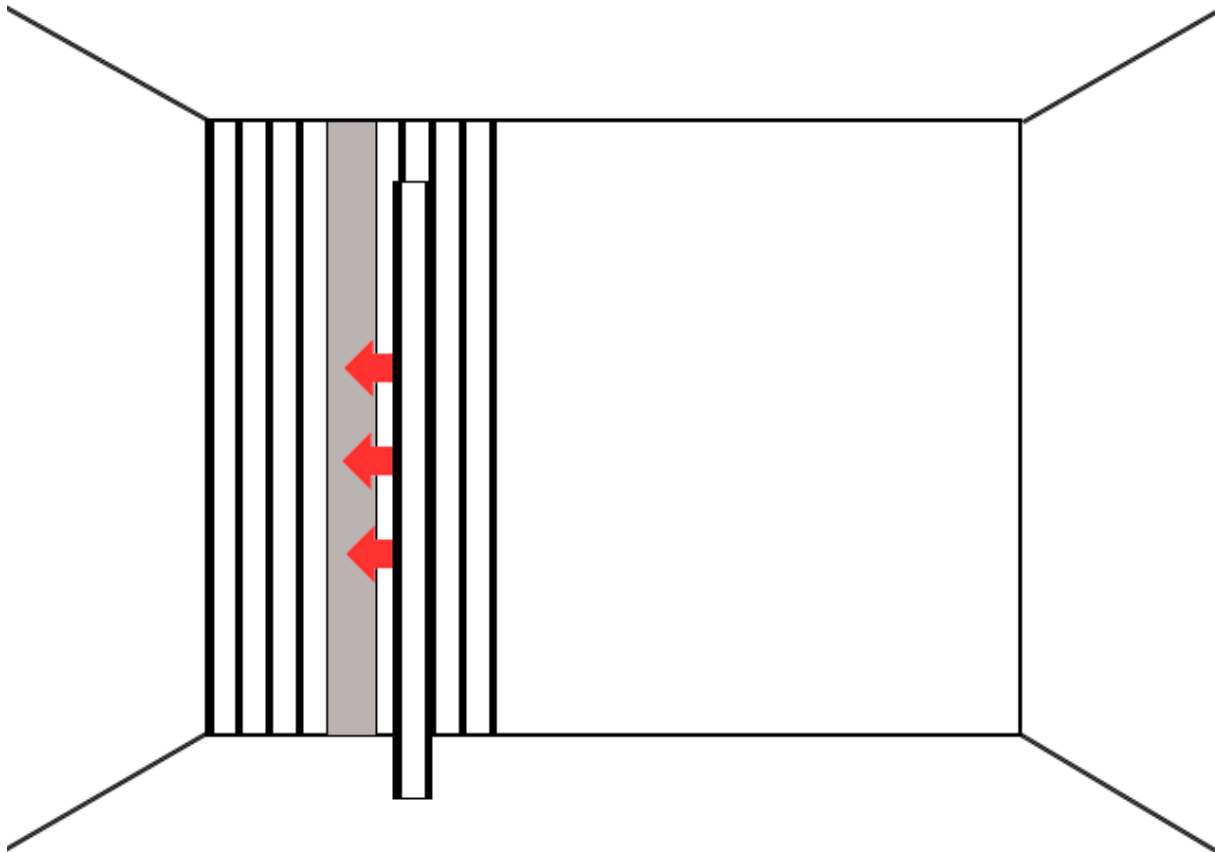


- Test fit the new slat into the space to make sure it fits snugly and matches the surrounding slats.

SECTION 06 | REPLACING DAMAGED SLAT

Step 05: Install the New Slat

- If the original installation used adhesive, apply a new bead of adhesive to the back of the new slat or in the groove on the wall, according to the PANELUX™ instructions.



- Slide the new slat into place, using a rubber mallet or soft-faced hammer to gently tap it in place.
- If the original installation used fasteners, you may need to nail or screw the new slat in place.

SECTION 06 | REPLACING A DAMAGED SLAT

Step 06: Inspection

- Look over the slat wall to ensure the new slat is flush and blends in with the rest.
- Clean the work area and remove any tools or materials.

Tips:

- **Safety First:** Always wear protective eyewear and gloves when working with tools and materials.
- **Matching Slat:** Ensure the replacement slat is the same size and finish as the original slats.
- **Minimize Damage:** Be as gentle as possible when removing the damaged slat to avoid affecting the rest of the wall.
- **Keep Part of a Spare Panel:** We recommend keeping part of a panel or have whole extra panel in-case you need to replace a slat or panel. This way they colour will match you existing dye lot.

** If you are unsure about any step in this process or if you encounter complications such as a slat that is difficult to remove, consider consulting with a professional. Sometimes, the entire panel may need to be partially disassembled to replace a single slat, depending on how the PANELUX™ system is constructed.

SECTION 07

PANELUX™ Limited Warranty

Warranty Period:

PANELUX™ warrants to the original purchaser that its acoustic slat wall panels will be free from defects in materials and workmanship for a period of one year from the date of purchase when used and installed according to PANELUX™ instructions and maintained properly.

What is Covered:

- Delamination of the slat wall panels.
- Warping or bowing of the panels not caused by improper installation or use in inappropriate conditions, like high humidity areas.

Remedy:

In the event of a defect during the warranty period, PANELUX™ sole responsibility is, at its option, to repair or replace the defective panel or refund the purchase price. Replacement may be with a new or refurbished product and is limited to the original color and style available at the time of replacement.

SECTION 07

PANELUX™ Limited Warranty

What is Not Covered:

- Damage resulting from improper installation or maintenance.
- Alterations or repairs carried out by anyone other than a PANELUX™ authorized service provider.
- Normal wear and tear, including scratches, dents, or marks that occur after delivery.
- Damage caused by accidents, moisture, abuse, or use in commercial settings unless specified.
- Products that have been moved from their original place of installation.
- Damage or defects caused by use in conditions outside specified environmental limits.

Warranty Service:

To obtain service under this warranty, contact PANELUX™ Customer Service with proof of purchase, a description of the issue, and photographs of the defect. PANELUX™ will evaluate the claim and, if accepted, will provide instructions on how to proceed with the repair or replacement.

SECTION 07

PANELUX™ Limited Warranty

Return Shipping:

Customers are responsible for the return shipping costs and original shipping charges will not be reimbursed. Ensure that your order is securely packaged in its original packaging to prevent damage during transit.

Limitations:

This warranty is the exclusive warranty provided by PANELUX™ and is in lieu of all other warranties, express or implied. In no event shall PANELUX™ be liable for incidental or consequential damages resulting from the use of the product.

Contact Information:

PANELUX™ Customer Service

5730 Burbank Cres SE, Calgary, AB

Phone: 403-754-4332

Email: info@panelux.ca

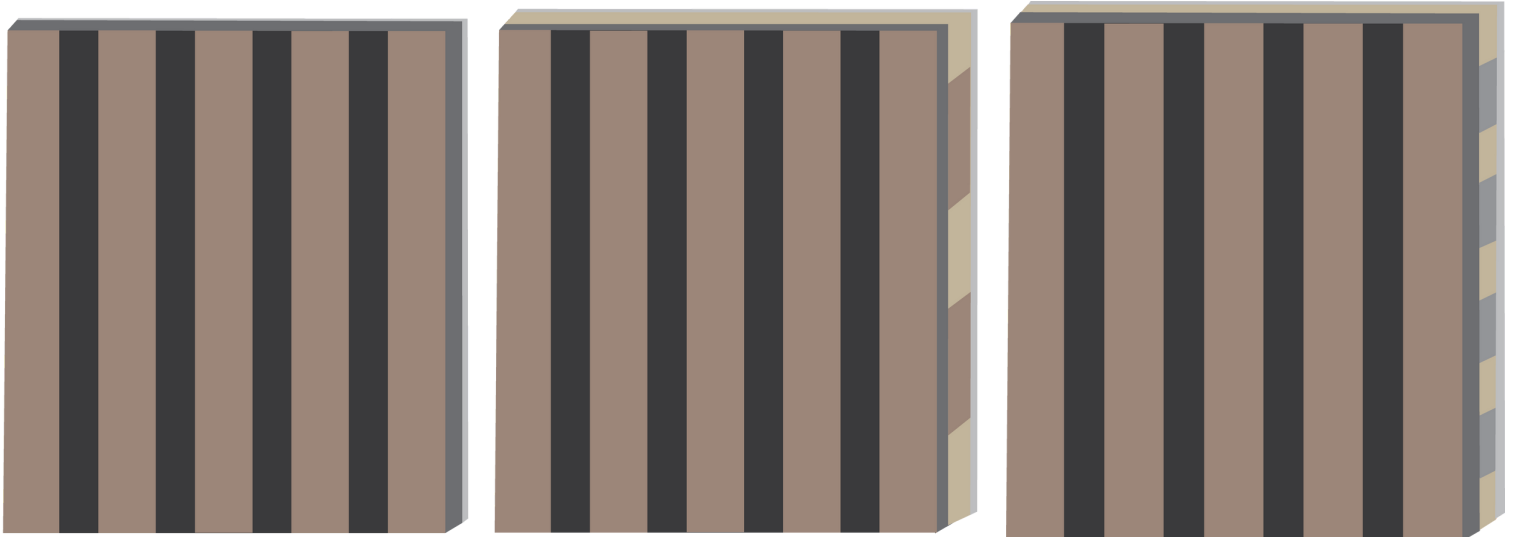
SECTION 07

Standard Mounting Techniques

ASTM C423 Standard Mounting Techniques for PANELUX™ Slat Wall Panels: Achieving Targeted NRC Ratings.

For materials like wall panels applied to drywall, the ASTM C423 standard outlines various mounting techniques to attain desired Noise Reduction Coefficient (NRC) values. These techniques play a crucial role in determining the sound absorption properties of the materials.

Below is a summary of the prevalent mounting strategies under the ASTM C423 standard, tailored for wall-mounted applications.

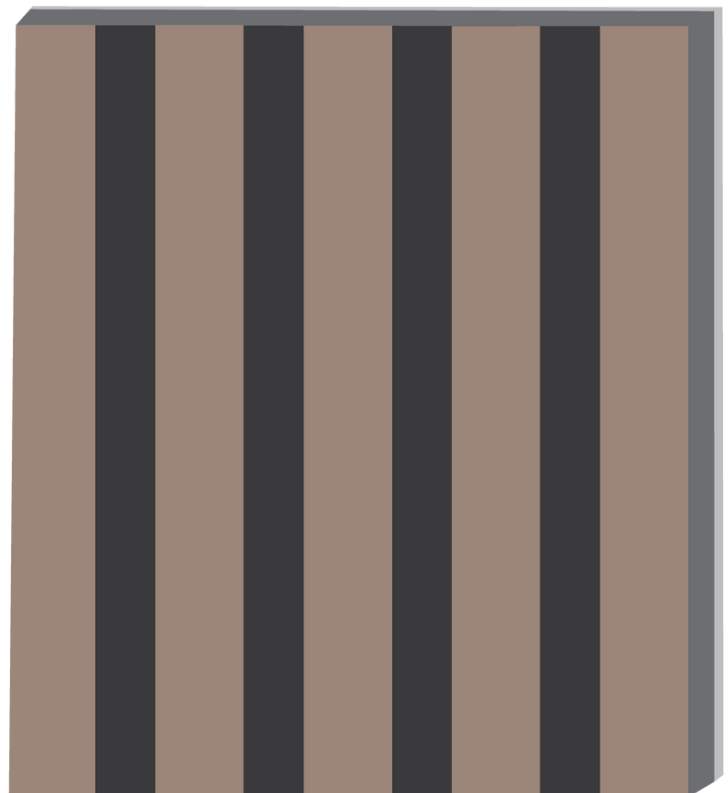


SECTION 07

Standard Mounting Techniques

Type A Mounting (Directly Applied) NRC – 0.50

- Description: This method involves mounting the test material directly onto a hard, rigid surface with no air gap between the material and the mounting surface.
- Application: It's used for materials that are typically installed flush against surfaces, such as wall panels directly applied to drywall.
- Installation Overview: The material is cut to size, if necessary, and attached to the wall using an appropriate adhesive, mechanical fasteners, or a combination of both, ensuring full contact with the wall surface.

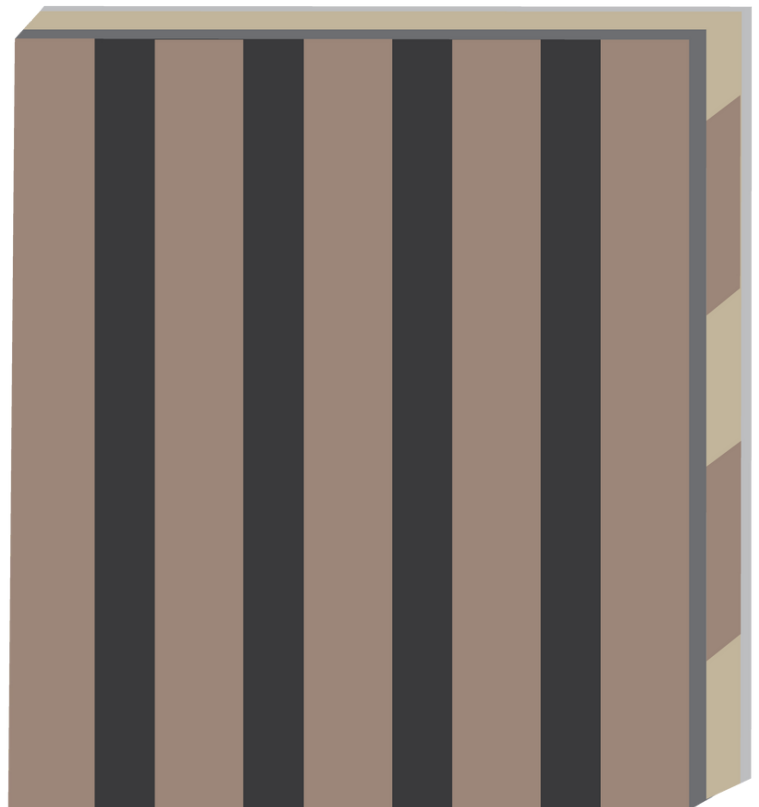


SECTION 07

Standard Mounting Techniques

Type C50 Mounting (Filled Air Gap) NRC – 1.00

- Description: This mounting involves installing the material on a 2" thick furring strips, spaces 24" apart. Cavities are filled with strips of 2" thick Broadway Glass Wool
- Application: Used for materials that benefit acoustically from a filled air cavity behind them, enhancing their sound absorption capabilities.
- Installation Overview: A framework or spacer is installed on the wall to create the desired filled air gap, and the material is then mounted onto this framework, using an appropriate adhesive, mechanical fasteners, or a combination of both, ensuring full contact with the wall surface.

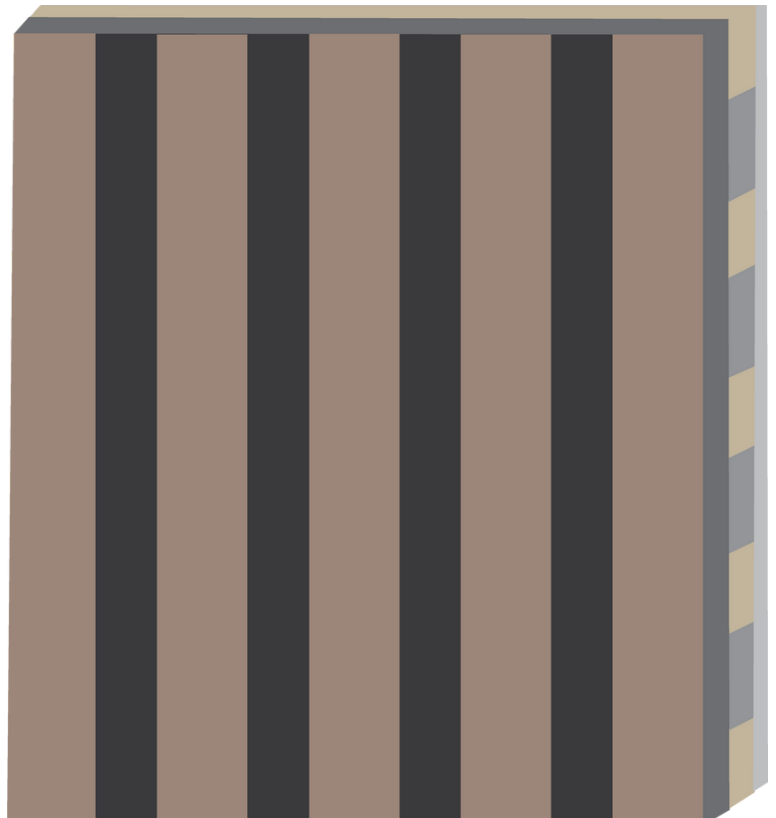


SECTION 07

Standard Mounting Techniques

Type D20 Mounting (With Air Gap) NRC – 0.62

- Description: Involves mounting the material on $\frac{3}{4}$ " thick furring strips, spaced 12" apart. Cavities are left empty to create an air gap.
- Application: Used for materials that benefit acoustically from an air cavity behind them, enhancing their sound absorption capabilities.
- Installation Overview: The material is mounted on the wall with furring strips or framing holding it in place, with an air gap, using an appropriate adhesive, mechanical fasteners, or a combination of both, ensuring full contact with the wall surface.



PANELUX™

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