

LABH

LIKE A BOSSANOVA HOME

Acoustic Panels

Wall and Ceiling Installation

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General

Wall & Ceiling Preparation

Before beginning the installation process, ensure that the surface is clean (free of any dust, flaking paint, loose debris or grime), structurally sound, dry and free of imperfections (cracks, holes etc). Wear gloves at all times throughout the installation process. When cutting and fitting panels to fit the surface, consider which areas of the surface will contain the cut portions and try to apply the products as symmetrically as possible. It may help to measure and mark the space beforehand. Measure the panels against the surface and ensure they are straight and line up together accordingly. If required, use the utility knife and the straight edge to accurately cut the panels to the appropriate length, and cut out all penetrations.

Environmental Conditions

LABH Slat Panels are for interior use only. Only start the installation if the room is dry and the facade is closed, relative humidity is less than 70%, and a functioning HVAC system is in operation. Ensure the work area is free of construction dust and debris, and that the site is well ventilated if adhesives are being used or panels are required to be cut. Avoid breathing in dust from cut panels. Wall and ceilings should also be adequately built to bear the respective loads.

Safety

The installation must be carried out according to all applicable building codes and regulations for occupational safety. The installation must be carried out according to the installation guidelines. This document is without entitlement of completeness. Variances must be clarified with the manufacturer. The installation guidelines serve as the manufacturer's suggested method of installation. Installers should have the adequate amount of experience to execute the installation. The Installation must be carried out with the proper tools and understanding of safety measures so that no one is injured or endangered by the installation.

Warranty

Failure to follow the manufacturer's recommended installation instructions supplied and in effect at the time of the installation may void the warranty. Should there be any discrepancies between architectural plans and our installations, or questions regarding the installation process please contact us.

Storage and Handling

Panels must be stored in a dry interior location and shall remain on the pallet prior to installation to avoid damage. Panels shall not be stored under direct sunlight, near heating sources, or exposed to extreme temperatures. Panels installed with adhesives should be acclimated to room temperature prior to install. Follow the adhesive manufacturer's recommended operational temperature.

Direct with Adhesive

Wall & Ceiling Installation

Tools and materials required



Saw



Circular Saw



Caulking Gun



Clean Gloves



Screws



Level Laser



Straight Edge



Level



Pencil



Measuring Tape



Ladder



Utility Knife



Sponge Trowel

Preparation

1. LABH recommends heavy duty construction adhesive. Please follow adhesive manufacturer's instructions for application and usage.
2. The adhesive will be supplied by the installer. The adhesive used should be a fast grab type that provides an immediate secure bond and does not require many supplemental mechanical attachment.
3. Apply adhesive to panel as recommended by the adhesive manufacturer. For any questions or uncertainties, consult the adhesive manufacturer directly.
4. Preparing the surface for installation, dry fit (without adhesive) the panels. Measure the panels against the surface and ensure they are straight and line up. If required, use the utility knife and the straight edge to accurately cut the panels to the appropriate dimensions.
5. Trim off any excess material around joints, pipes, vents or lighting.

1. Determine start point as per plans



- a. Determine the start point of first row of panels. Ensure centerline of wall and ceiling is established as per architectural drawings and align center of slat or centre of reveal accordingly, to meet the design intent.
- b. It is recommended to use an alignment method such as laser or chalk line to make sure the panels are properly positioned and squared as per design intent.

2. Apply the construction adhesive



- a. Using the caulking gun and construction adhesive, apply the adhesive around the inner edge of the panel. To avoid adhesive flowing through the joints when the panels are installed, apply the adhesive two finger widths away from the corner / join, then apply adhesive in a zig zag pattern across the centre of the panel. (see Fig. A next page)

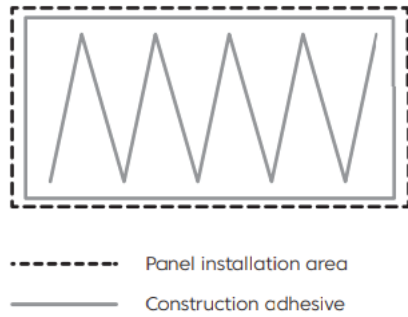


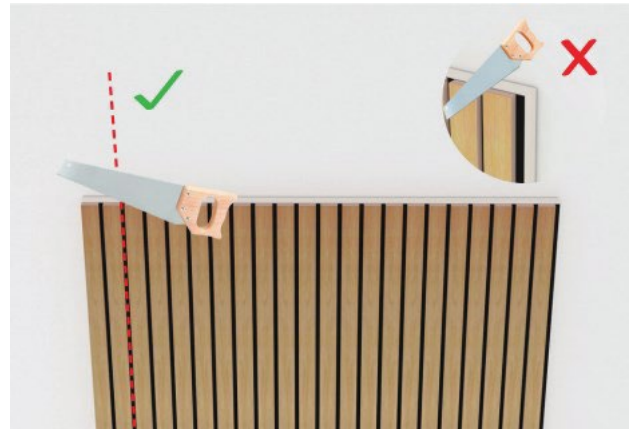
Fig. A:
Apply the construction adhesive

3. Hand pressure to the panel



- Once in position, apply even hand pressure to the panel where the adhesive is located. Start at the center of the panel, and work toward the edges. It is recommended that a sponge trowel be used to ensure all glue spots are properly compressed.
- Fast grab adhesives provide an immediate bond, but have several minutes of worktime, allowing for proper alignment before panel is finally set. Perform adjustment immediately.
- For panel assemblies that are adjacent to one another, it is recommended that a finish nail or small screw is used to lock panel in place when installing adjacent panels; place nails on Felt portion only, between wood slats. Avoid excessive movement to minimize panel shifting that could dislodge previously pressed areas and release the adhesive.

4. Termination at edges



- Panels have a left and right factory edge condition which is not equal, therefore field cutting will be necessary regardless of edge condition, as approved by designer.
- We recommend cutting on the wood side and allowing for a wood trim to be butt jointed on the side of the panel when sides are exposed. There is no need for trim on recessed or flush adjacencies.

Direct with Screws

Wall & Ceiling Installation

Tools and materials required



Saw



Circular Saw



Clean Gloves



Screws



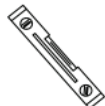
Wall Plugs



Screwdriver



Level Laser



Level



Drill



Pencil



Measuring Tape



Ladder

Preparation

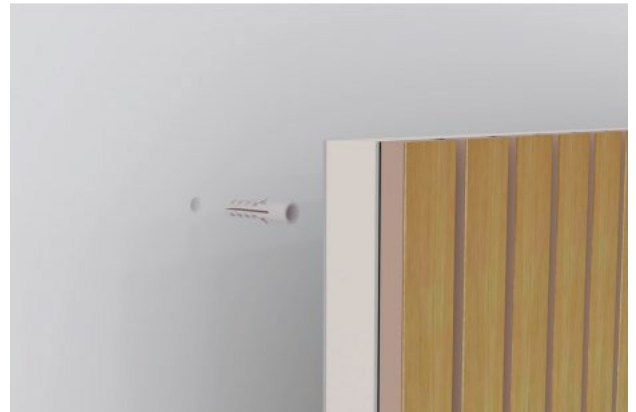
1. Screw(s) and plug(s) for the wall are not included. Assess the suitability of the wall to ensure that it will withstand the forces generated. Minimum 12 screws and wall plugs are required per panel, use screw(s) and plug(s) suitable for your walls and the intended load. If you are uncertain, seek external professional advice.
2. Prepare the wall surface for installation, use matching caulk to fill in any unwanted cracks in joints.
3. Wear clean white gloves throughout the installation process.
4. Preparing the surface for installation, dry fit (without adhesive) the panels. Measure the panels against the surface and ensure they are straight and line up. If required, use the utility knife and the straight edge to accurately cut the panels to the appropriate dimensions.

1. Determine start point as per plans



- a. Determine the start point of first row of panels. Ensure centerline of wall and ceiling is established as per architectural drawings and align center of slat or centre of reveal accordingly, to meet the design intent.
- b. It is recommended to use an alignment method such as laser or chalk line to make sure the panels are properly positioned and squared as per design intent.

2. Drill the wall and insert plugs

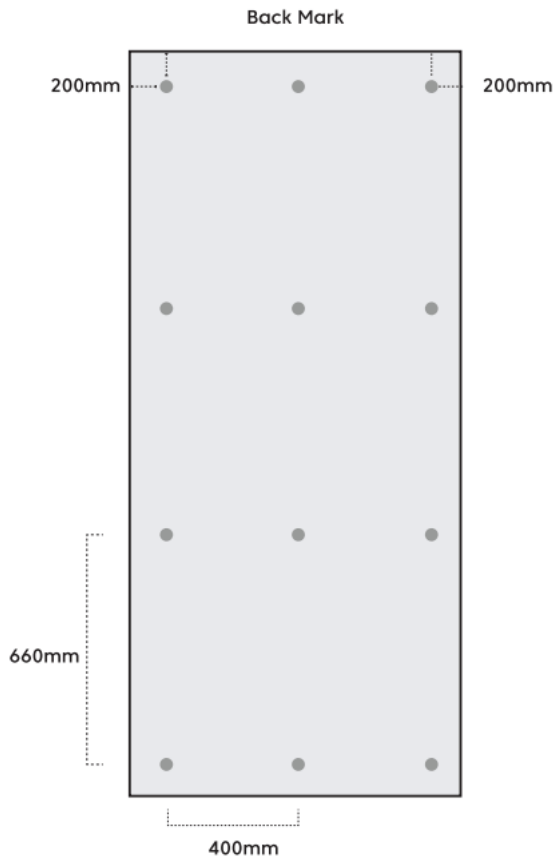


- a. Using a drill, screw the required number of holes into the marked locations on the wall surface, provide proper spacing for a minimum of 12 wall plugs and screws. Insert corresponding toggle plugs. You will now be ready to proceed with installing the LABH slat panel.

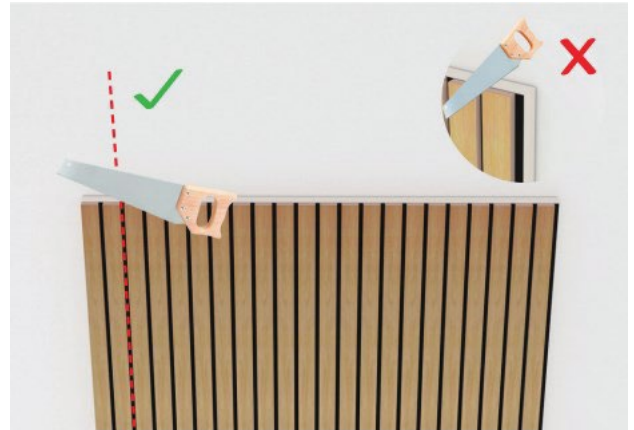
3. Direct attachment to wall



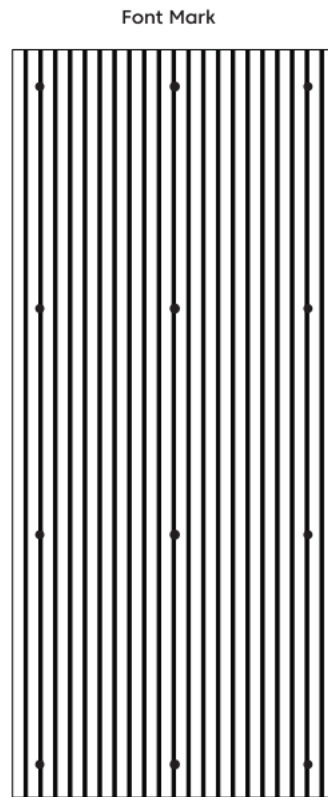
- a. Direct attachment to wall requires wall / ceiling Notes framing to be perpendicular to wood slats. All fasteners are to be installed on the Felt portion of the panel and not on the wood. e. Screw spacing shall be no more than 200mm from panel edge on both sides. With maximum spacing between screws along panel length approx. 660mm and 400mm max along the short side of the panel.



4. Termination at edges



- a. Panels have a left and right factory edge condition which is not equal, therefore field cutting will be necessary regardless of edge condition, as approved by designer.
- b. We recommend cutting on the wood side and allowing for a wood trim to be butt jointed on the side of the panel when sides are exposed. There is no need for trim on recessed or flush adjacencies.



Furring Strip

Wall Installation

Tools and materials required



Saw



Circular Saw



Clean Gloves



Screws



Wall Plugs



Furring Strip



Level Laser



Level



Drill



Pencil



Measuring Tape



Ladder

Preparation

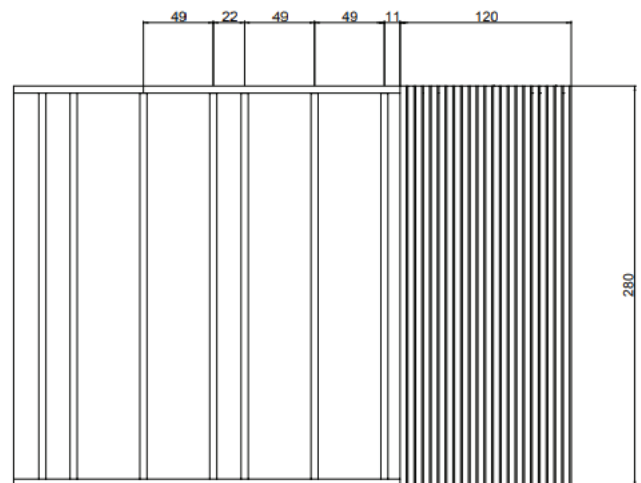
1. The furring must be attached to the structure and can carry the load of the furring and panels. Providing guidance on attachment is outside LABH's scope of practice. Please instead rely on guidance from an external professional.
2. Furring strips shall be installed (by others) and leveled to within 6mm over 3000mm, to ensure a plumb surface.
3. Minimum 12 screws are required per panel.



1. Determine start point as per plans



- a. Determine the start point of first row of panels. Ensure centerline of wall and ceiling is established as per architectural drawings and align center of slat or centre of reveal accordingly, to meet the design intent.
- b. It is recommended to use an alignment method such as laser or chalk line to make sure the panels are properly positioned and squared as per design intent.



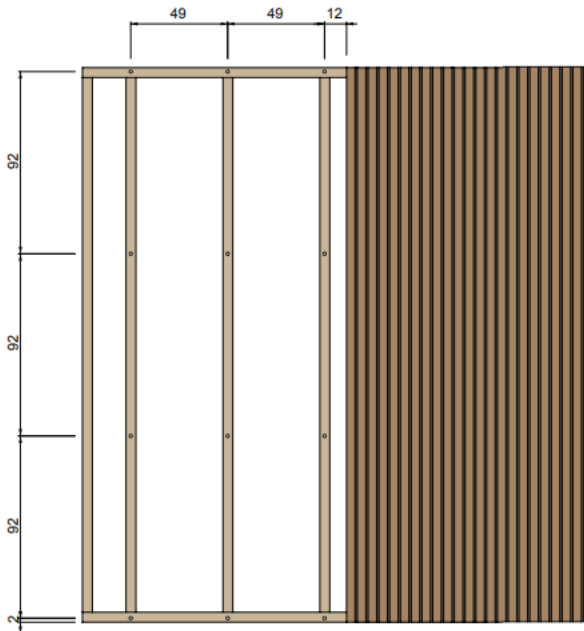
*Recommended furring strip

2. Direct attachment to furring

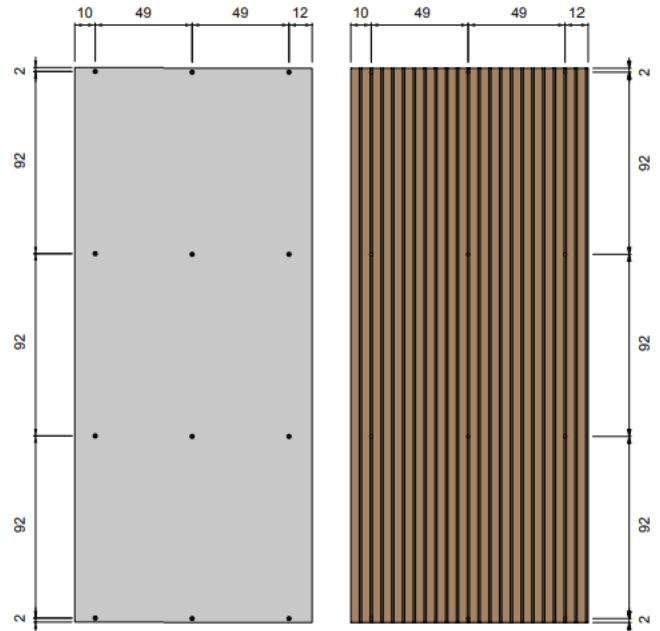


a. Direct attachment to furring requires the furring to be perpendicular to wood slats and provide proper spacing for a minimum of 12 screws. All fasteners are to be installed on the felt portion of the panel and not on the wood.

b. Screw spacing shall be no more than 200mm from panel edge on both sides. With maximum spacing between screws along panel length approx. 660mm and 400mm max along the short side of the panel, furring strips should be positioned accordingly.



*Recommended marking points on furring strip



Back panel marks

Front panel marks

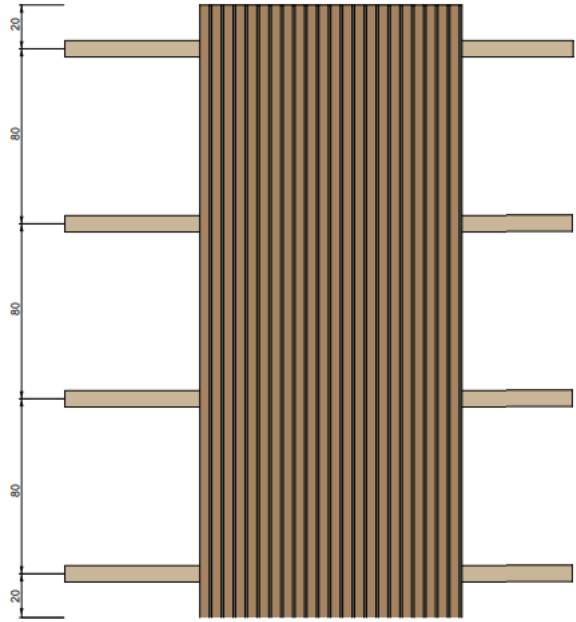
2. Preparation (horizontal line)



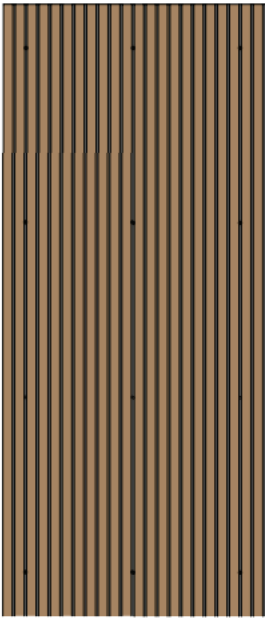
a. The furring must be attached to the structure and can carry the load of the furring and panels. Providing guidance on attachment is outside LABH’s scope of practice. Please instead rely on guidance from an external professional.



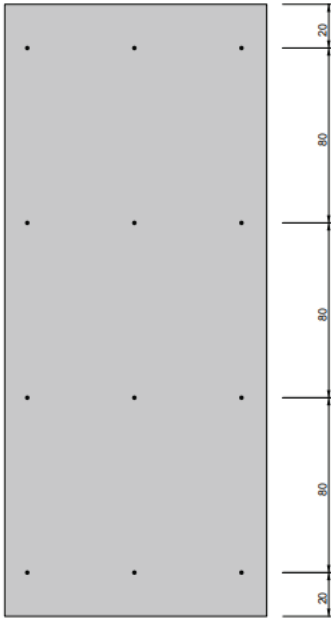
b. Furring strips shall be installed (by others) and leveled to within 6mm over 3000mm, to ensure a plumb surface.



*Recommended marking points on furring strip



Back panel marks



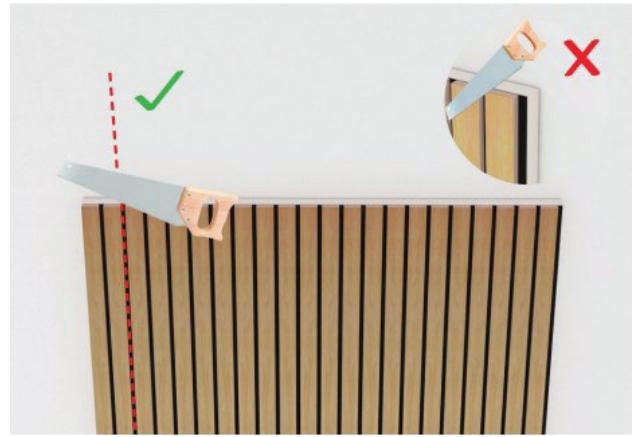
Front panel marks

Cutting Panel

Installation Tips



1. When cutting through PET felt, use a box knife. When cutting through MDF slat, use a handsaw or circular saw. Use masking tape to prevent splintering or splinting.



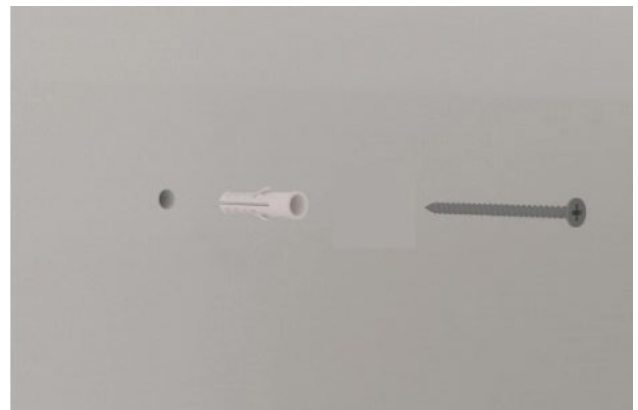
2. Panels have a left and right factory edge condition which is not equal, therefore field cutting will be necessary regardless of edge condition, as approved by designer.
3. We recommend cutting on the wood side and allowing for a wood trim to be butt jointed on the side of the panel when sides are exposed. There is no need for trim on recessed or flush adjacencies.

Screws

Installation Tips



1. Attach LABH slat by screwing through panel felt portion in between wooden slats.



2. Screw(s) and plug(s) for the wall are not included. Assess the suitability of the wall to ensure that it will withstand the forces generated. Use screw(s) and plug(s) suitable for your walls and the intended load. If you are uncertain, seek external professional advice. Read and follow each step of the instruction carefully.

Shiplap

Installation Tips



1. Use the premade shiplap joint to maintain even spacing and to avoid visible seams.

Corners

Installation Tips

Tools and materials required



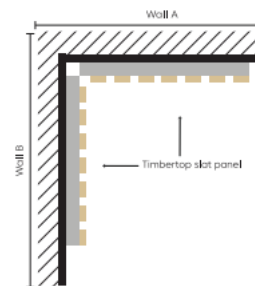
Utility Knife



Straight Edge



Measuring Tape



Steps

1. Account for the panel thickness gap on each wall.
2. Cut the material using a straight edge and box cutter knife.
3. Make sure to work from the corner outwards so the design butts perfectly.