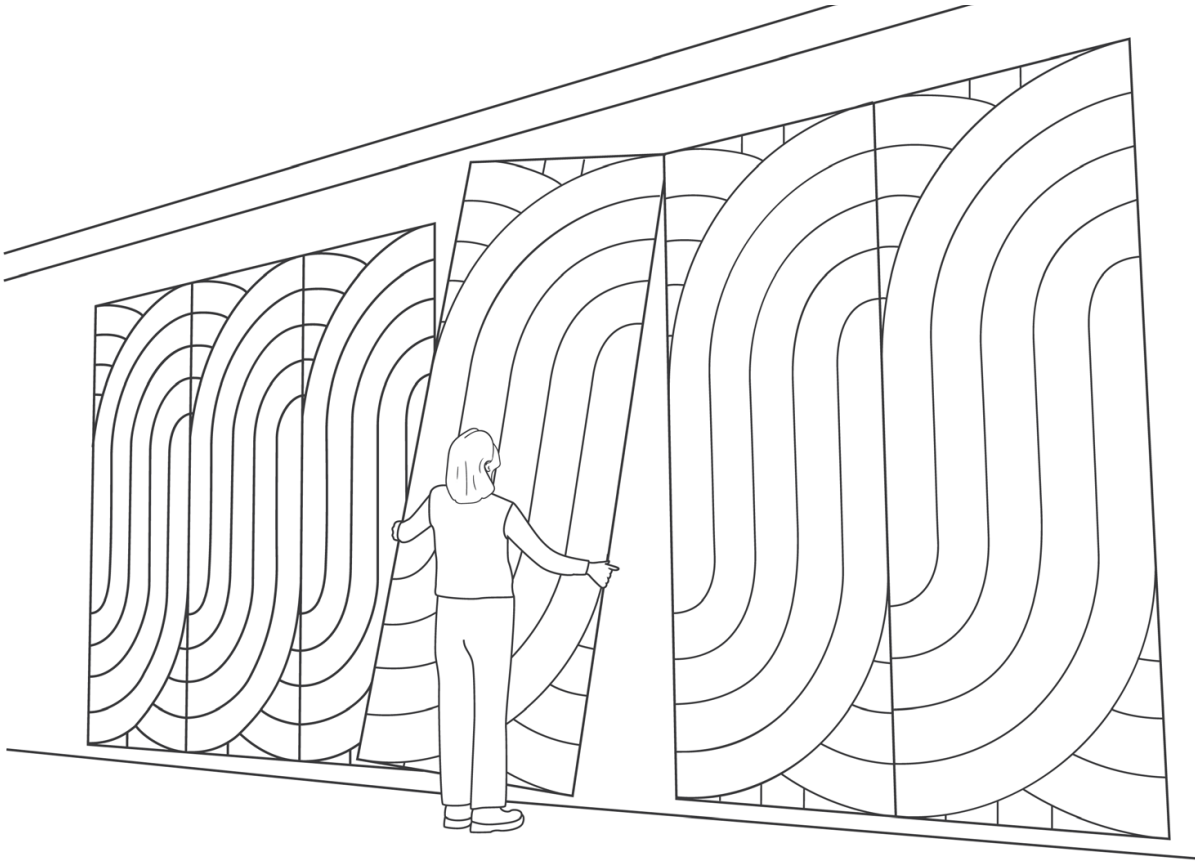
BAUX

Acoustic X-FELT Installation Manual



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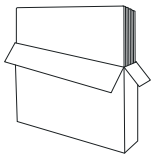
These instructions serve as a guide. The responsibility for recognising and compensating for field conditions is with the installer. Installer should follow best practices for construction and workmanship. BAUX bears no responsibility for installation or contractor selection.

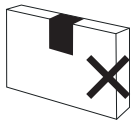
About the material

X-FELT is a unique, next-generation textile made from ultra-fine, high-quality polyester fibres sourced from GRS-certified PET. Using advanced industrial techniques, these fibres are combined to create a smooth, compact, and lightweight structure that is highly sound absorptive and inherently fire-safe due to the elimination of oxygen and fuel components. The fibre structure is then precisely cut into panels and tiles for walls and ceilings, providing a long-lasting solution for your acoustic design needs.

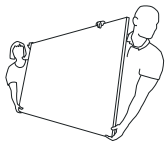
Handling

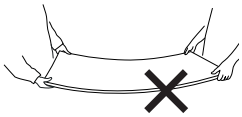
Be sure to inspect materials carefully upon delivery and note any damages or quality rejections to BAUX immediately. Claims will not be accepted after the panels have been installed



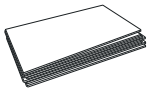


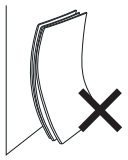
Carry boxes and panels upright to avoid bending of panels



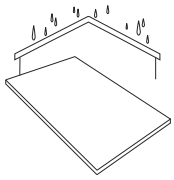


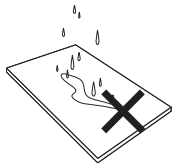
Store boards and panels flat to avoid bending



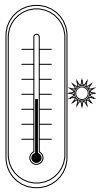


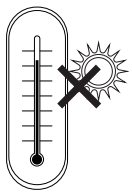
Keep dry and avoid humid areas





Store in a cool dry place.
Avoid 65°C/150°F or grater





Be careful with the edges

Preparations

Ensure you have the appropriate tools and materials to complete the installation

For walls and ceiling installation

Sharp blade

Straight edge

Construction adhesive

Measuring tape, rod and laser

For ceiling installation

Ceiling grid

Hole saw

Cordless screwdriver

Adaptating the panels

You can easily adapt the BAUX Acoustic X-FELT Panels and Tiles.

Prepare the Panels and Tiles
Lay Panels or Tiles flat on a backing mat to protect your surface.

Use a Sharp Blade
Ensure the blade is sharp for clean, precise cuts.

Support with a Straight Edge
For best results, secure a straight edge to guide the cut.

Make the Cut
Hold the blade at a 90° angle to the Panel or tile for square edges and smooth joints.

Cut Gradually
Apply light pressure and make several passes rather than cutting through in one go.

Maintain Blade Sharpness
Regularly replace the blade to ensure consistent, accurate cuts.

WALLS

General Conditions

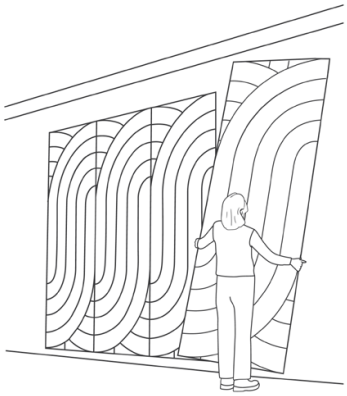
- Before installing BAUX Acoustic X-FELT, ensure that the wall surface is clean and free of dust
- For walls affected by nicotine or other contaminants, thorough cleaning or repainting is essential to ensure a proper installation
- Be cautious with painted surfaces, as there is a risk of paint peeling. Never install on a recently painted surface, the paint must be fully dry
- If the wall surface is uneven, it must be leveled prior to installation
- The responsibility for assessing potential issues with the paint or the surface lies with the installer, who should also address any specific field conditions
- Wall-mounted panels and tiles cannot support the weight of other items in field

Fixing and adhesives

- BAUX Acoustic X-FELT can be directly fixed using a commercial adhesive. It is the installer's responsibility to ensure that the adhesive is suitable for both the product and the wall surface
- Apply glue to the rear side of the X-FELT panels or tiles. While there is no strict formula for fixing spans, a good practice is to secure each panel approximately every 300 mm (about 12 inches) both vertically and horizontally to maintain rigidity
- For best results, it is recommended to install one test panel before proceeding with the full installation. This will help ensure proper adhesion and alignment throughout the project

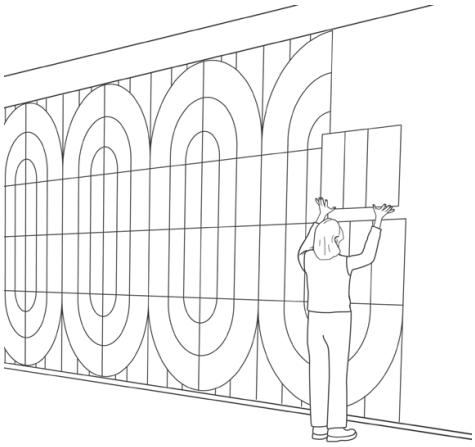
Panels wall installation

- BAUX Acoustic X-FELT Panels can flex, so it's crucial to handle them carefully
- To avoid creasing, ensure that at least two people support the panel when determine the correct placement and apply glue on the rear side of the panel
- Align the panel and match the cut-patterns with precision
- Gently apply even pressure to secure it in place



Tiles wall installation

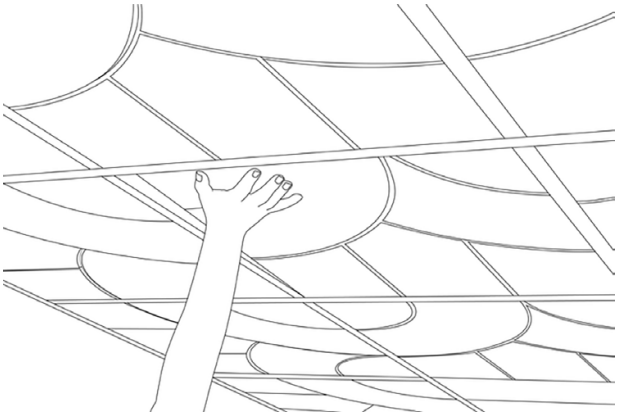
- Determine the correct placement of the pattern
- Using laser is helpful to secure correct alignement of tiles and patterns
- Apply glue on the rear side of the tile
- Align the tile and match the cut-patterns with precision
- Gently apply even pressure to secure it in place



CEILINGS

Ceiling Tiles in suspended grid

- BAUX Acoustic X-FELT Tiles are designed for easy installation into standard suspended ceiling T-grids. BAUX offers tiles that fit both 600×600 mm grids and 2.0×2.0 ft grids, so be sure to select the correct tile size for your grid system. All ceiling grid tiles come with Edge A/Square Edge for a seamless fit
- Follow the grid manufacturer's instructions for installing the ceiling grid. Once the grid is in place, arrange the BAUX Acoustic X-FELT Tiles according to your desired pattern and layout for a customized acoustic solution
- BAUX X-FELT Tiles cannot bear the weight of lamps or other accessories. They are designed for acoustic and aesthetic purposes and should not support any additional load. Lamps and other assessories must therefore be supported by the suspended grid system or separate support mechanisms (e.g., suspension wires, brackets)
- In addition, it is important that lamps do not generate excessive heat that could damage the ceiling panels. All electrical connections and installations must comply with local building and electrical codes



Ceiling Tiles with glue

General Conditions

- BAUX Acoustic X-FELT Tiles can be adhered directly to a flat ceiling with glue
- Ensure that the ceiling surface is clean and free of dust. For ceilings affected by nicotine or other contaminants, thorough cleaning or repainting is essential to ensure a proper installation
- Be cautious with painted surfaces, as there is a risk of paint peeling. Never install on a recently painted surface, the paint must be fully dry
- If the ceiling surface is uneven, it must be leveled prior to installation
- The responsibility for assessing potential issues with the paint or the surface lies with the installer, who should also address any specific field conditions
- Ceiling Tiles cannot support the weight of other items in field

Fixing and Adhesives

- BAUX Acoustic X-FELT can be directly fixed using a commercial adhesive. It is the installer's responsibility to ensure that the adhesive is suitable for both the product and the ceiling surface
- Apply glue to the rear side of the X-FELT tiles. While there is no strict formula for fixing spans, a good practice is to secure each tile approximately every 300 mm (about 12 inches) to maintain rigidity
- For best results, it is recommended to install one test tile before proceeding with the full installation. This will help ensure proper adhesion and alignment throughout the project

Tiles Ceiling Installation

- Determine the correct placement of the pattern
- Using laser is helpful to secure correct alignement of tiles and patterns
- Apply glue on the rear side of the tile
- Align the tile and match the cut-patterns with precision
- Gently apply even pressure to secure it in place

Ceiling Tiles in suspended grid

To achieve an elegant and cohesive look, you can order the ceiling grid in matching shades that complement the ceiling panels. This creates a seamless, harmonious design that enhances the overall aesthetic of the space. If you already have a grid installed, you can repaint it. For the best results, spray painting is recommended to ensure a smooth and even finish. If you consider painting the grid, please contact BAUX for paint colour codes.

Grid Colours

Chalk Grey

Granite Grey

Ash Black

Sand

Brown Sand

Grass

Sky Blue

Deep Waters

Clay Red

Need help?

For very specific installations or scenarios that aren't covered
in this installation manual, visit baux.com or contact us at info@baux.com

BAUX

Let's build!