

## DecNord panels installation instructions

Thank you for choosing DecNord's panels. Proper installation is crucial to ensure a successful and visually appealing result.

DecNord panels are meticulously crafted from high-quality wood that is cut to high-precision to ensure a precise fit. However, as wood is a natural material, it is subject to changes caused by storage conditions, which can lead to swelling, shrinking, or warping. Consequently, during installation, it may be necessary to apply some force to properly align and fit the panels. We recommend storing the panels in a controlled environment to minimize these effects and preserve the integrity of the wood. You have the option to install our panels with adhesive, mechanically (nails, screws, staples) or both combined.

### Before You Begin

1. Ensure that the installation surface is clean, dry, and free from any debris or contaminants



2. Necessary tools and materials for installation



Saw



Pencil



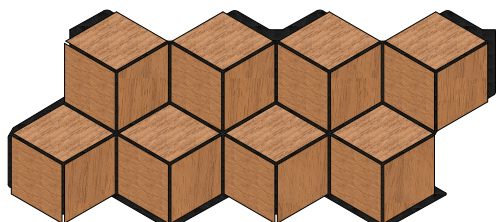
Adhesive (in a cartridge, foil package, tube, etc.) and a necessary gun



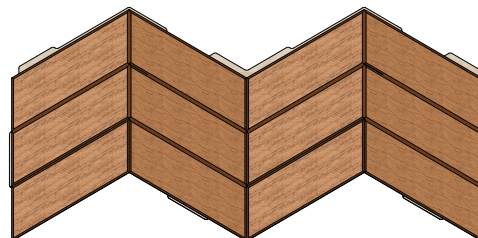
Stainless steel nails or clips and a necessary tool

## DecNord panels orientation

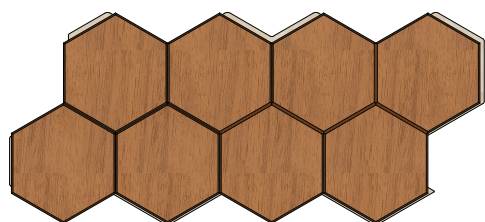
Following drawings show our panel orientation. Black part shows backing plywood. Orientation is crucial for connecting panels.



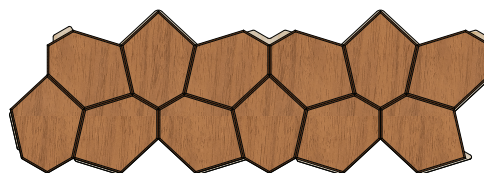
Hexa XL Rhombus



Bermuda



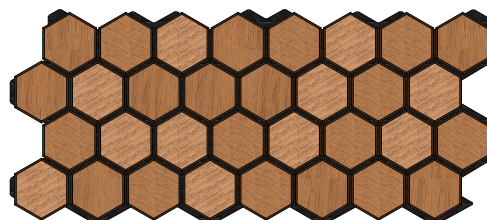
Hexa XL



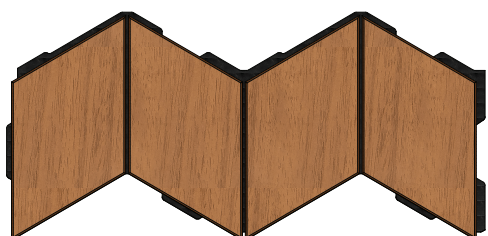
Royal



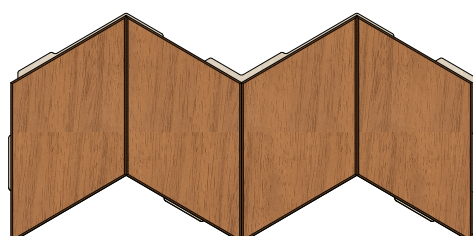
Square



Hexa S



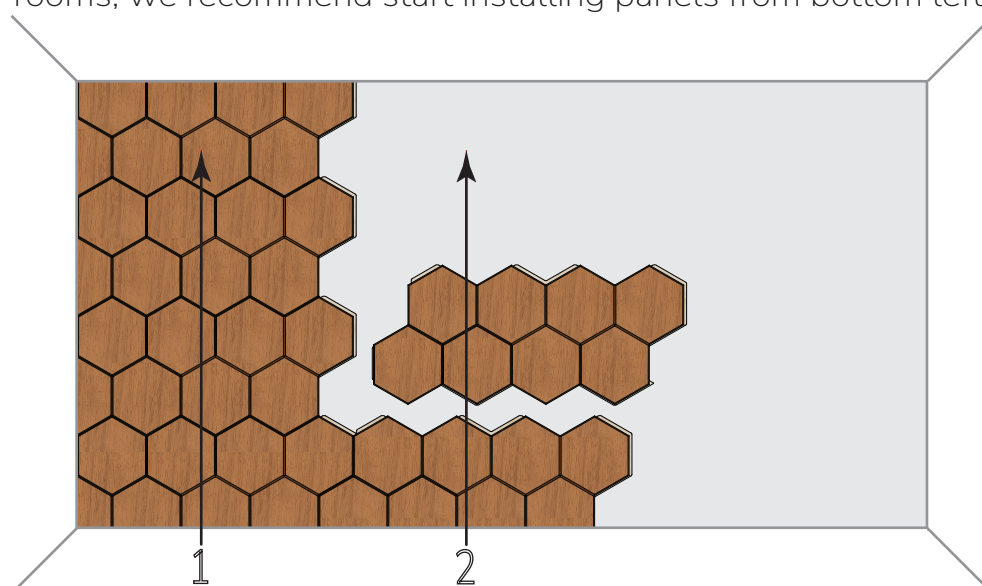
Athena Thermo Split



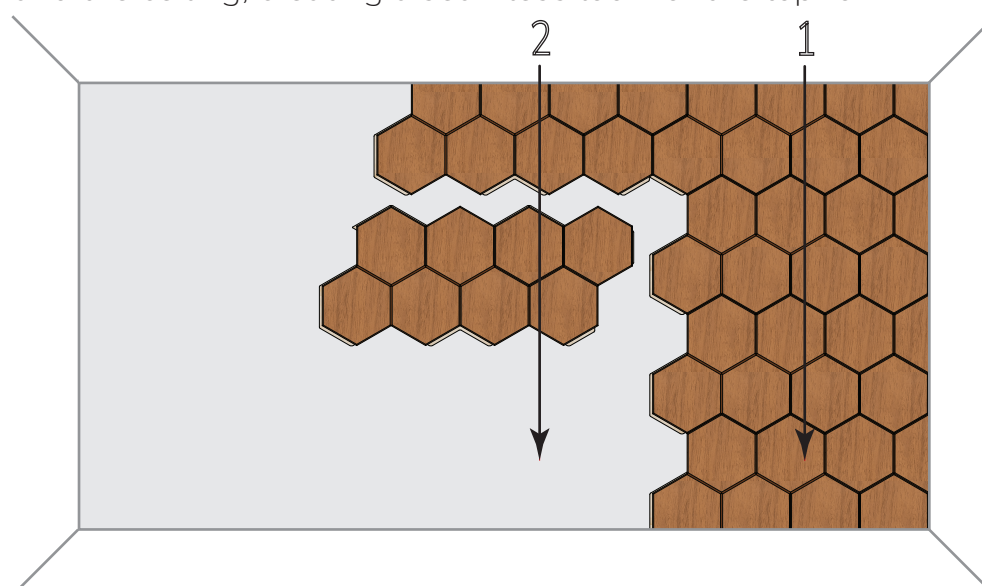
Athena

## Installation direction

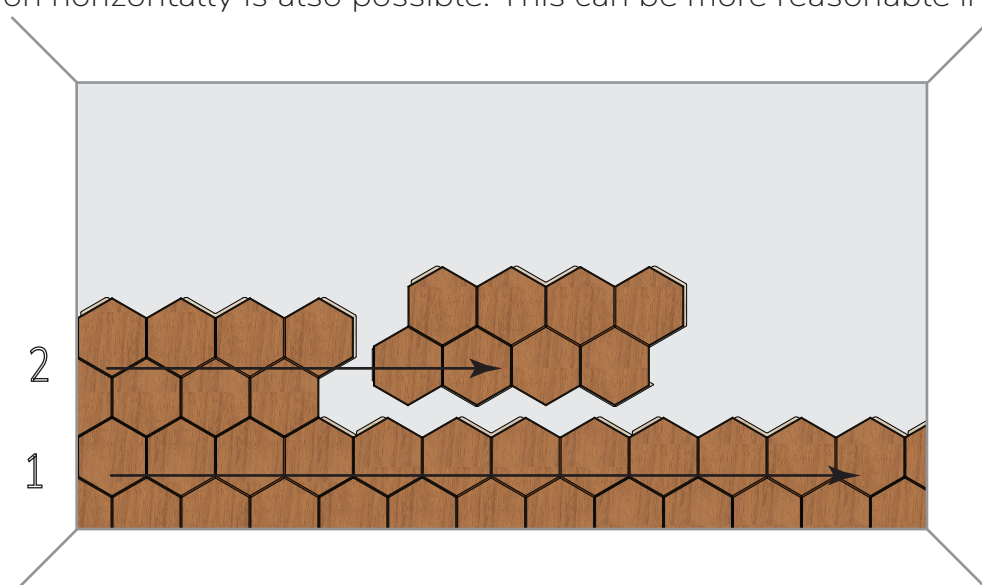
For interior rooms, we recommend start installing panels from bottom left in columns.



In saunas, we recommend start from top right corner. This ensures a tight fit between the panels and the ceiling, creating a seamless look for the top row.



Installation horizontally is also possible. This can be more reasonable in some cases.

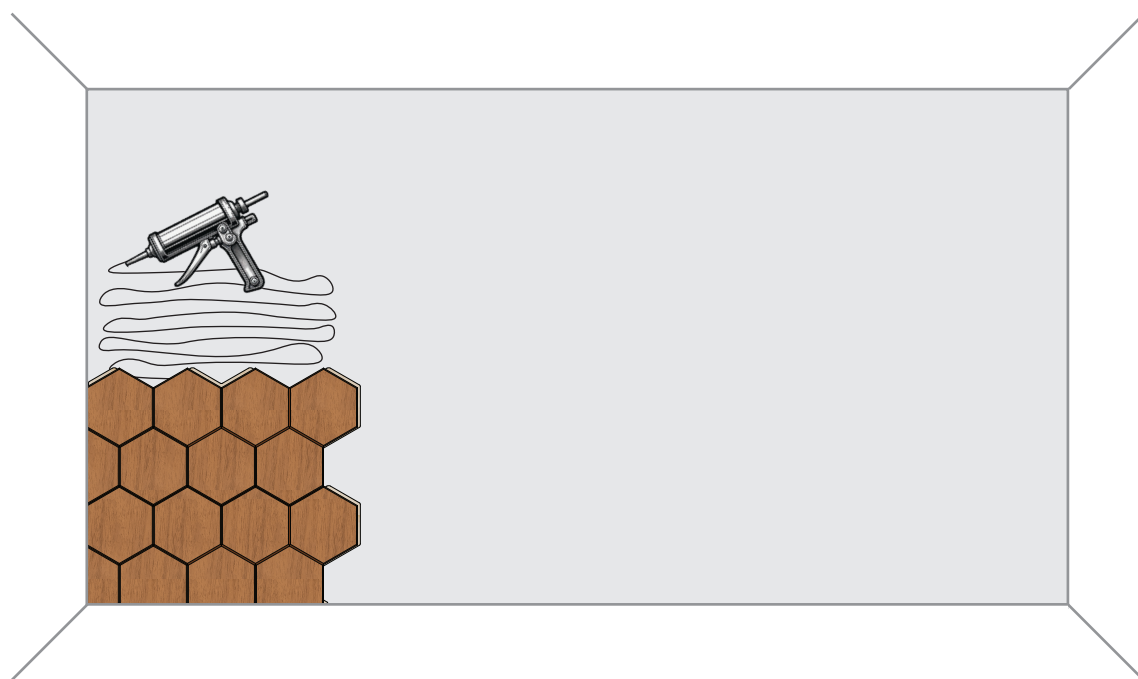


## Gluing directly to the wall

Rooms that don't need air circulation in the back (e.g., saunas), DecNord panels could be adhered directly on a wall.

Make sure the wall surface is smooth and even.

For glue (adhesive) selection see chapter “Adhesive”)



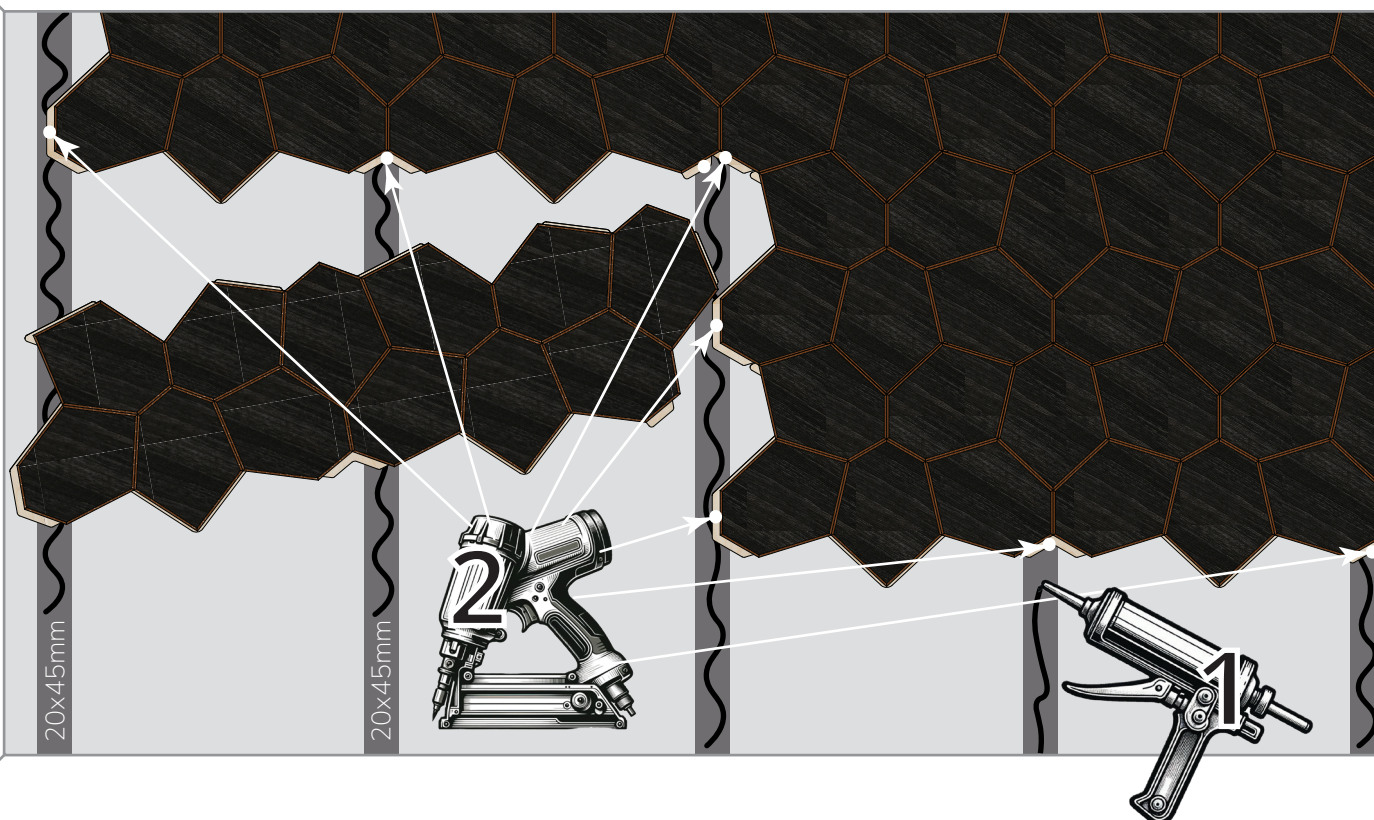
## Installation on battens

Start by setting up the underlay battens. These will serve as the base to attach your wall panels.

Make sure the battens are no less than 20 mm in thickness and 45 mm in width. It's crucial that they allow for air circulation behind the panels, covering the whole span of the paneling.

Make sure the battens are straight and level before installing panels. The recommended batten spacing depends on the panel shape. It's best to secure the panels to the battens at both sides and also in the middle for a firm hold.

We suggest using a staple gun or stainless steel staples to install the wall panels. In addition, we recommend using adhesive between battens and our panels. First, apply adhesive, then install panels and lastly secure with stainless steel headless nails or staples.



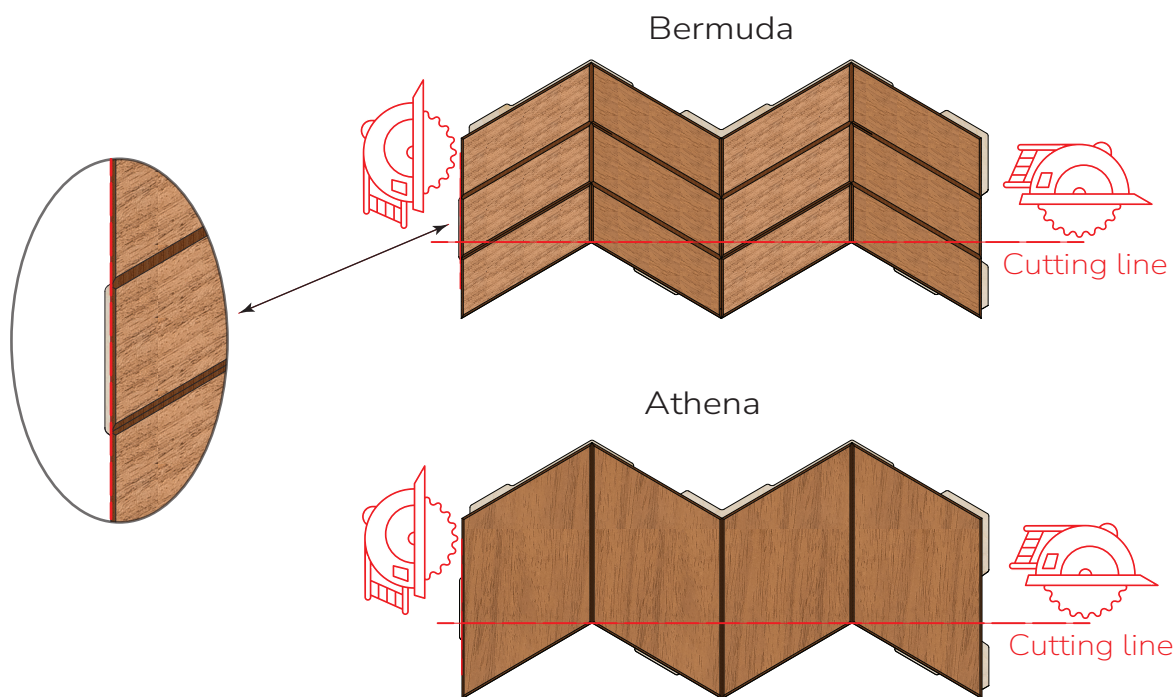
**Batten spacing for different panels are in the end of this manual**



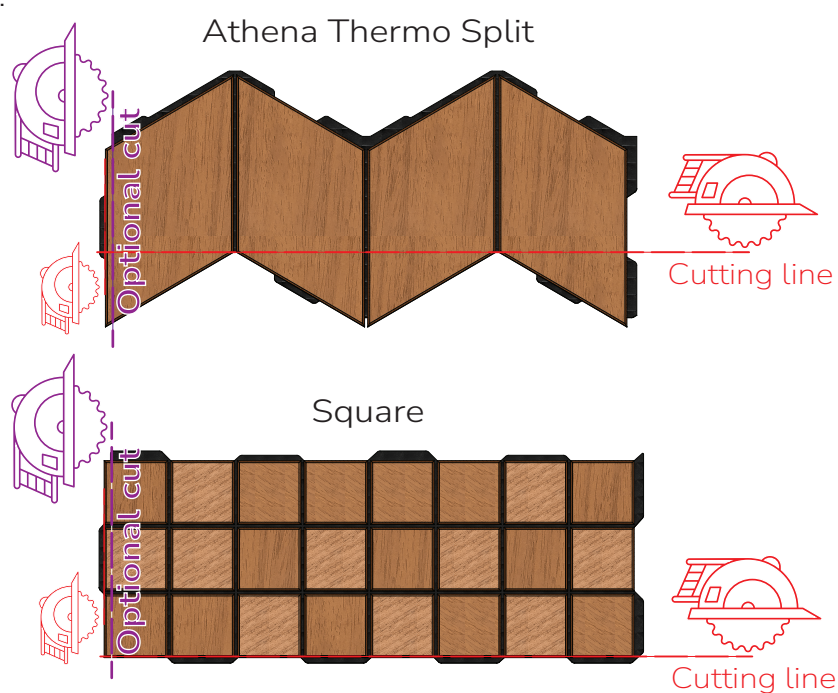
## Making first cuts

The following panels **horizontal cut is required**.

Additionally, if a tight fit is required against a perpendicular wall, you should remove the vertical 3mm connecting part. This adjustment ensures a snug and precise fit.

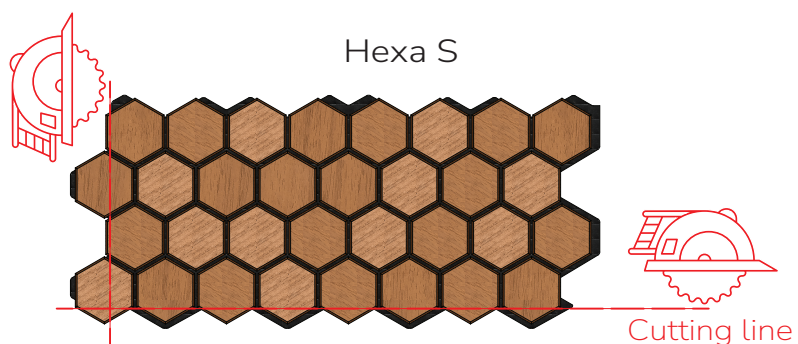
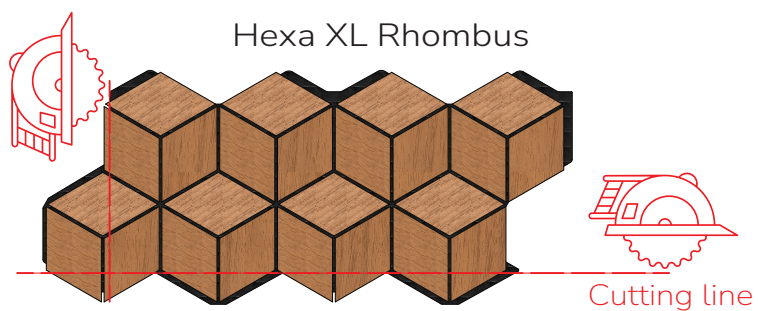
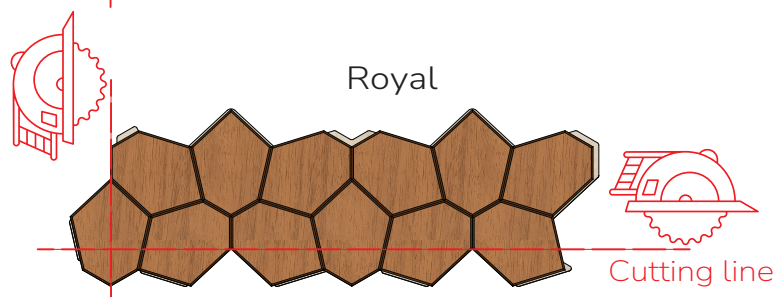
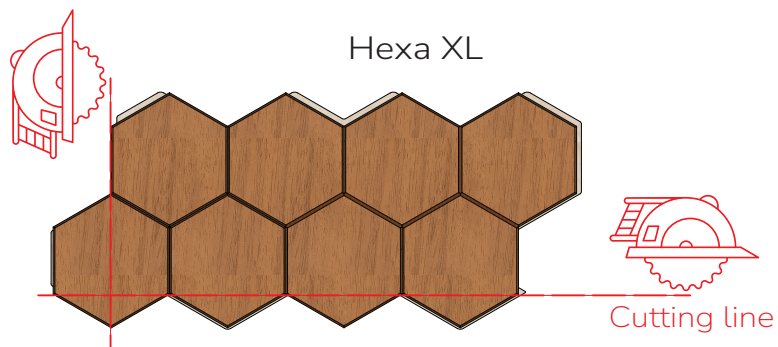


For following panels, a **horizontal cut is necessary, while a vertical cut is optional**. The vertical cut is advised because of a ~4 mm gap between the tiles. If the vertical cut is not performed, up to 1 cm of the wall underneath may become visible, which can disrupt the uniform appearance.



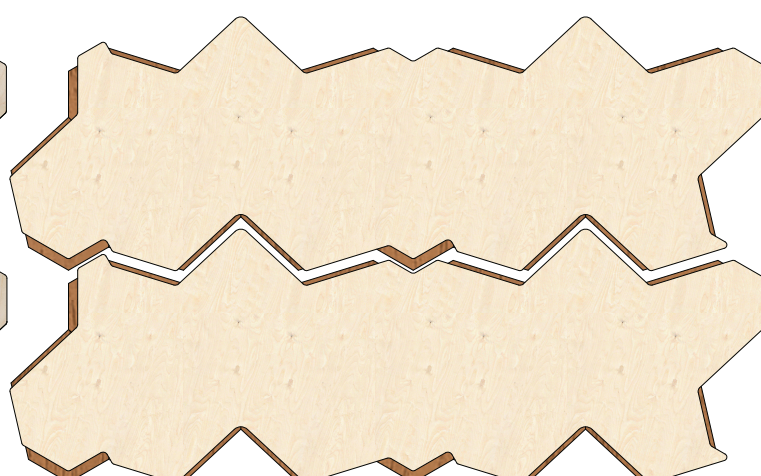
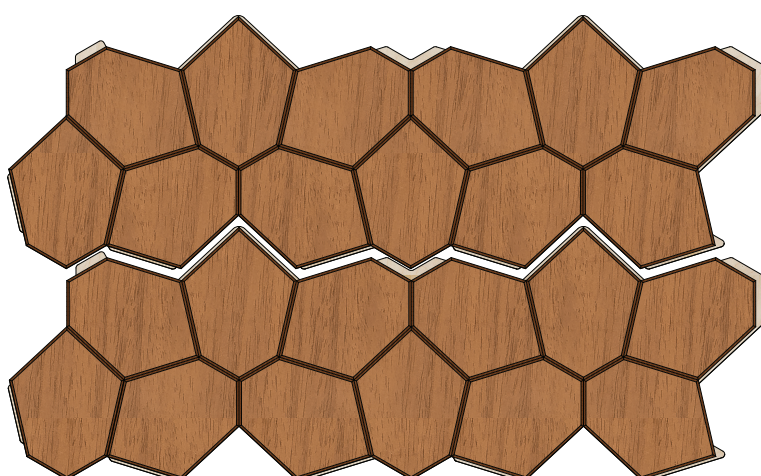
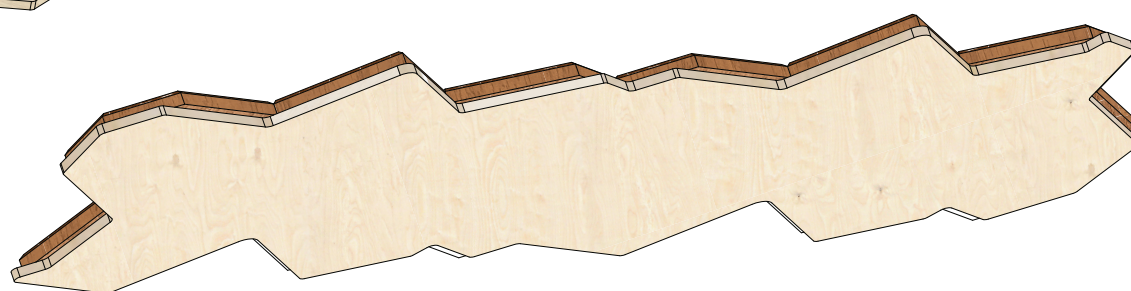
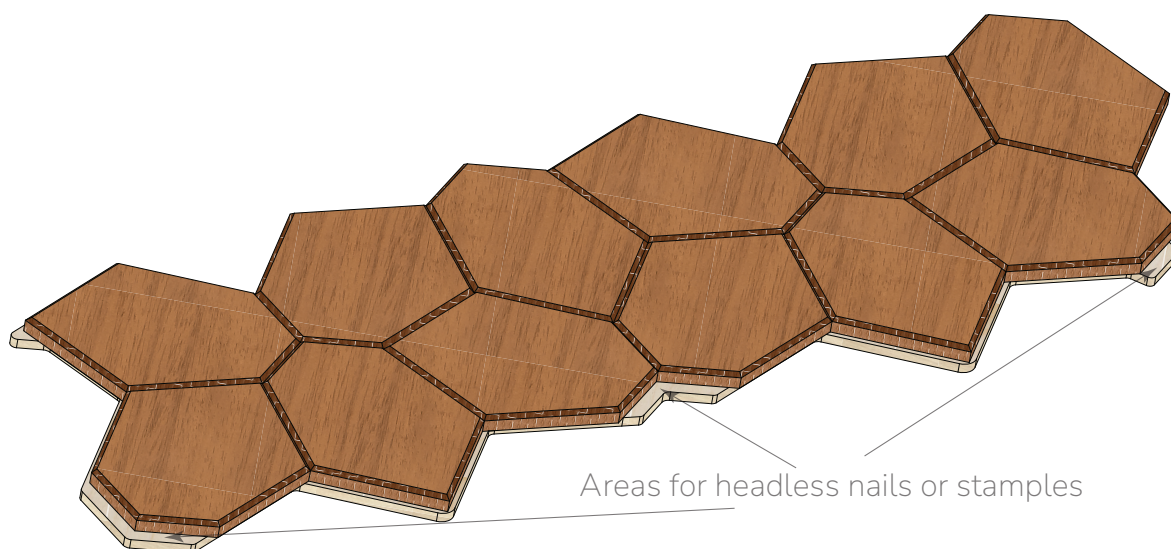
## Making first cuts

Both horizontal and vertical cuts are required for the following panels:



## Interlocking system

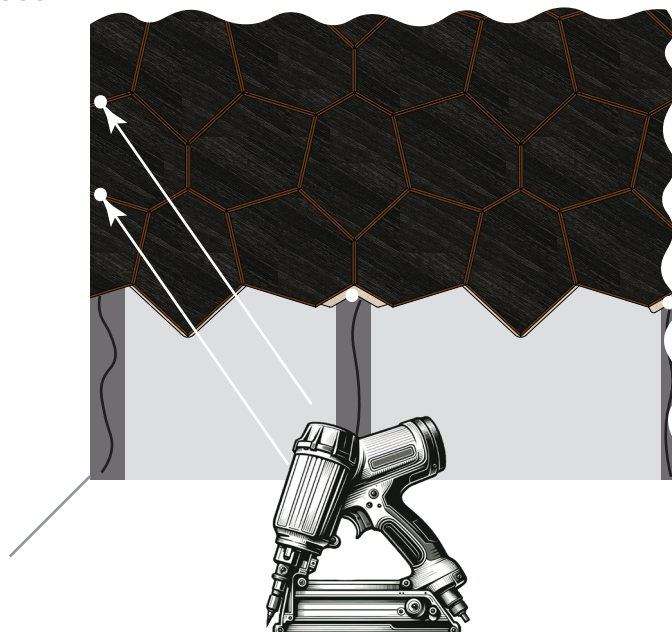
DecNord panels utilize a clever interlocking system, where panels are connected from the top and bottom. This arrangement allows the backing material layers of the next row or column to slip beneath the tiles of the previous panel, resulting in tiles extending over the backing material. This design provides a stronger connection and a smoother overall appearance.





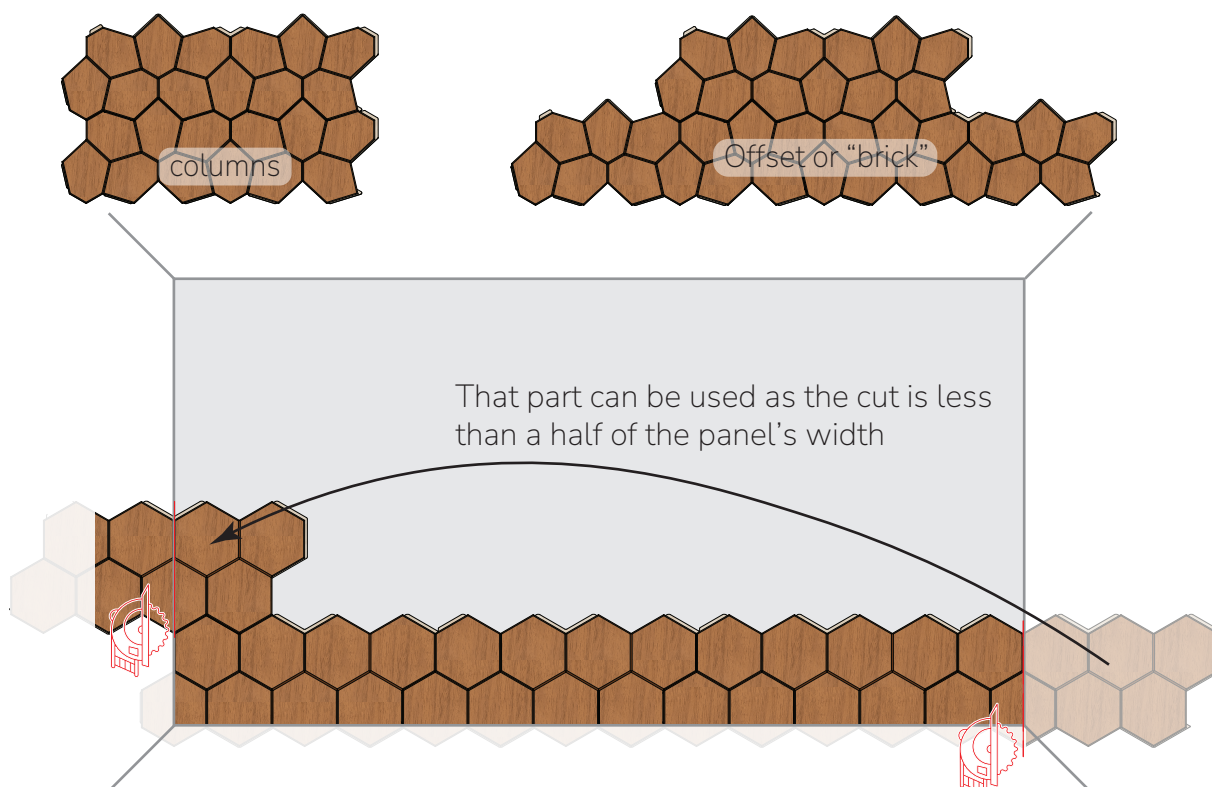
## Finishing around perpendicular surfaces

Our panels feature specific areas on the backing material designed for mechanical fastening. However, when installing panels adjacent to walls or ceilings, these designated areas may not always be accessible. In such cases, we recommend driving a nail between the wooden tiles. This method helps to hide the nail, ensuring the panel surface looks seamless.



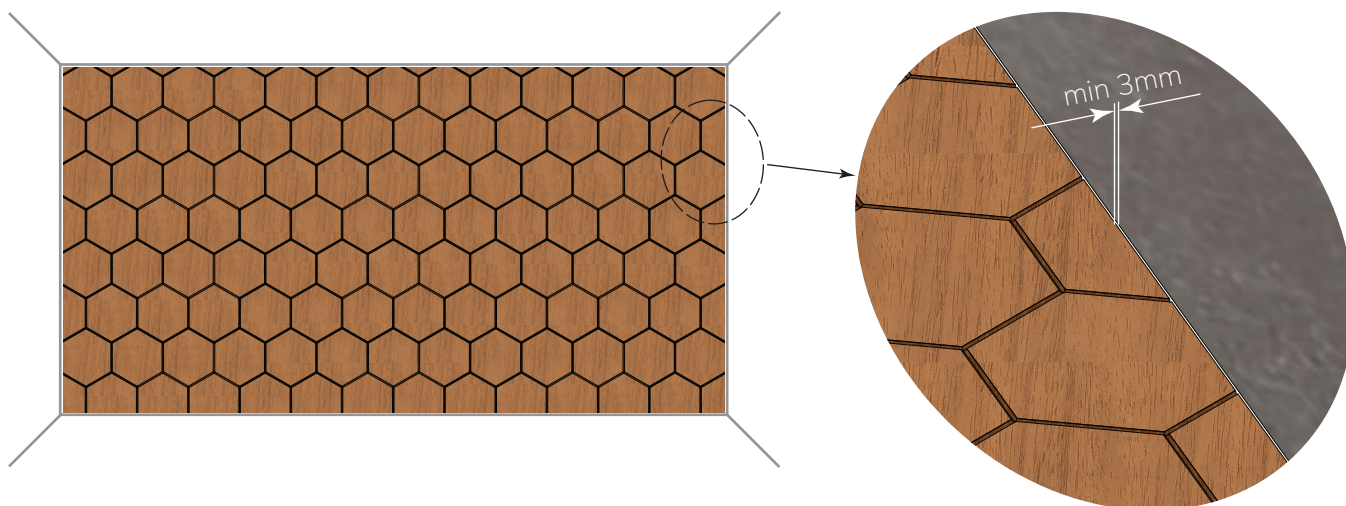
## Arranging panels on the wall

When installing the panels, you can set them up in two styles: straight columns or a brick pattern. In the brick style, arrange each row so it starts halfway over the one below, similar to laying bricks. We recommend using the brick pattern if the last column on the wall is less than half a panel wide, as it helps decrease the number of panels needed.



## Gap with adjacent surfaces

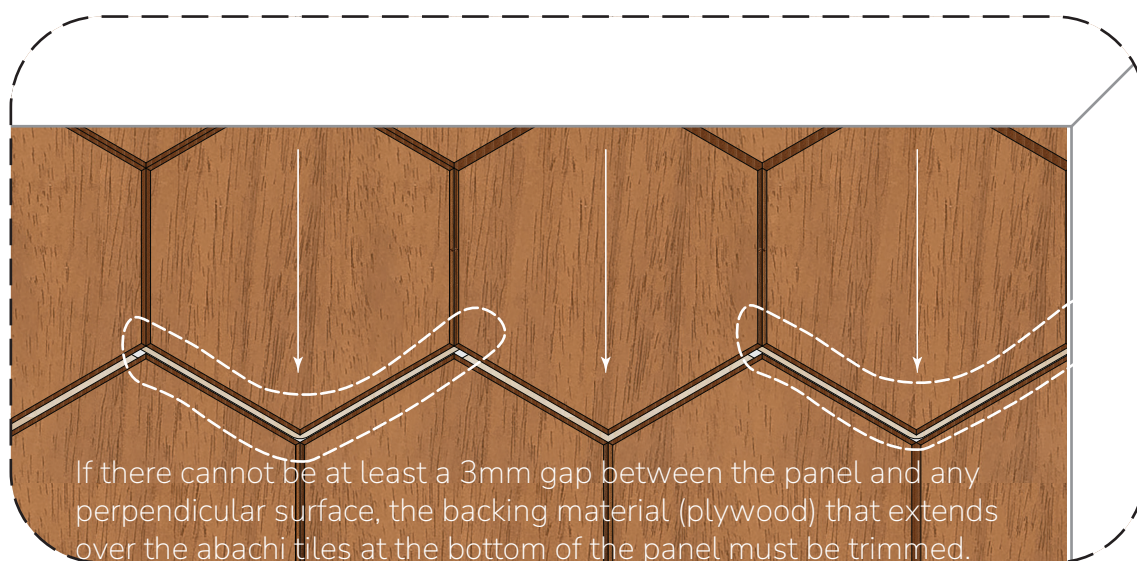
Due to movements caused by humidity and temperature, it's important to maintain a sufficient gap between panels and intersecting surfaces. This ensures that the wood can adjust without issues. We recommend minimum of 3mm and additional 1mm per 1 m of panels.



## Installing the last row

The top row can be inserted in place by sliding it between the earlier panel and the adjacent surface. Following that, the last row should be carefully pulled down so its tiles connect with the tiles of the previous row.

For minimal gap size between the panels and the intersecting surface, a small section of the support material from bottom of the panel needs to be cut out.



## Adhesive

An appropriate adhesive must be applied to the back of each panel or directly onto the wall surface, following the instructions provided by the adhesive manufacturer. We recommend strong initial grab one component low VOC adhesive that is acrylic or hybrid polymer based. For specific product, please consult with your local professional.

## Surface treatment

Our panels come without any wood surface treatments, allowing for versatile use in various settings. We advise applying a wood treatment that's appropriate for the intended use, like in kitchens or saunas. Without protection, the panels' color will evolve due to UV exposure and environmental elements. In spots where grease or stains are likely, adding a protective layer is advisable for ease of cleaning and durability.

We recommend consulting a local expert for the best product choice for your application. Be aware that treatments can alter the color of thermo-treated wood.

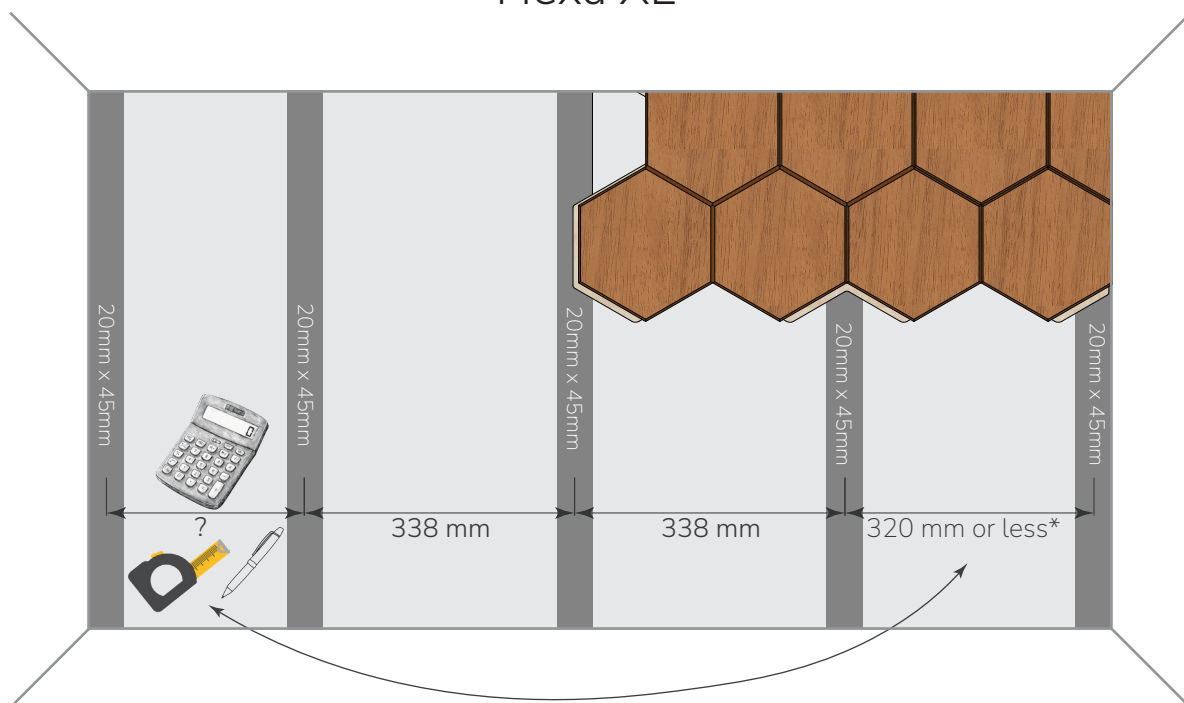
## Maintenance and care

- The DecNord Wall Panels should be dusted using a soft cloth or gentle brush.
- Spills or stains should be promptly wiped off with a damp cloth.
- Harsh chemicals or abrasive cleaners that could harm the wood surface should be avoided.
- To uphold their look, the panels should be treated periodically with the wood surface treatment that initially used.

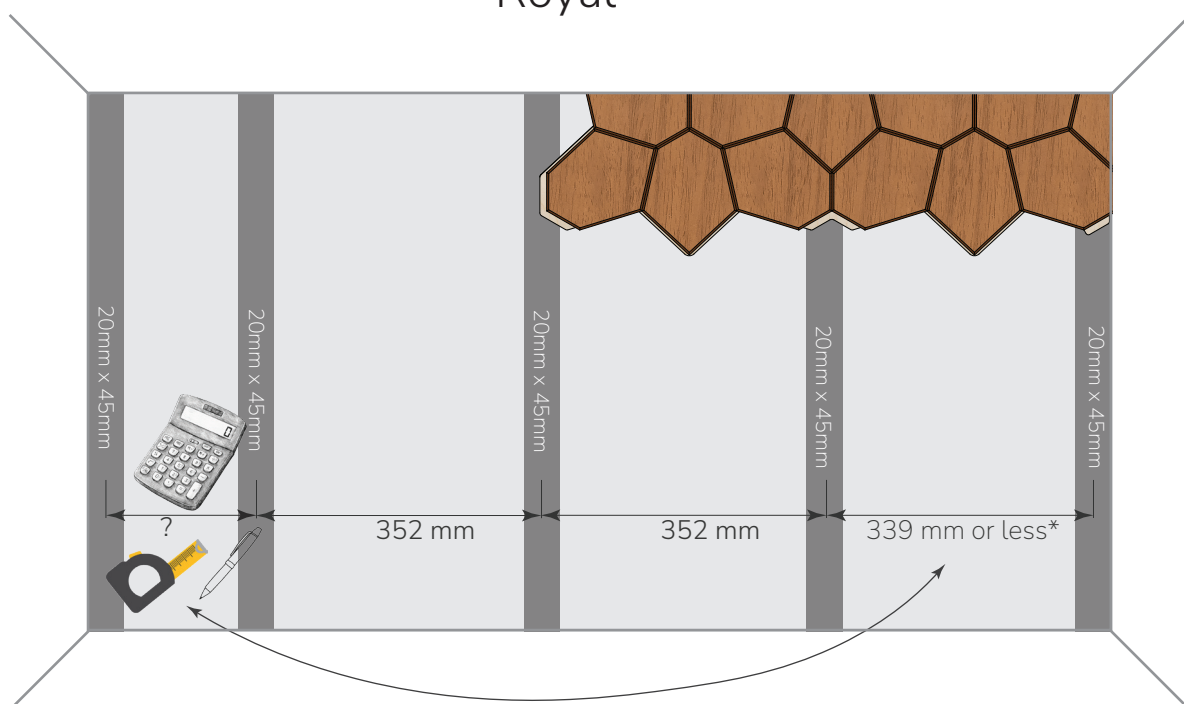
Please note that these are general installation guidelines. For specific instructions or any questions regarding the installation of DecNord's Panels, contact DecNord directly.

# Battens distances

## Hexa XL

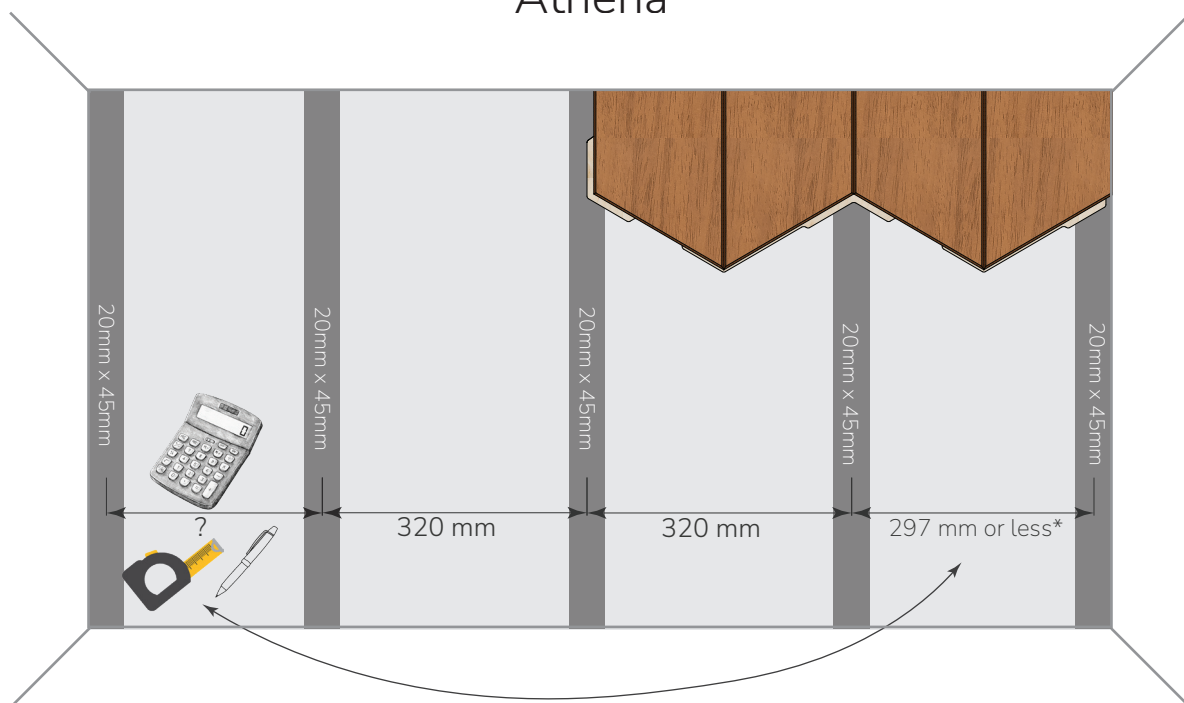


## Royal

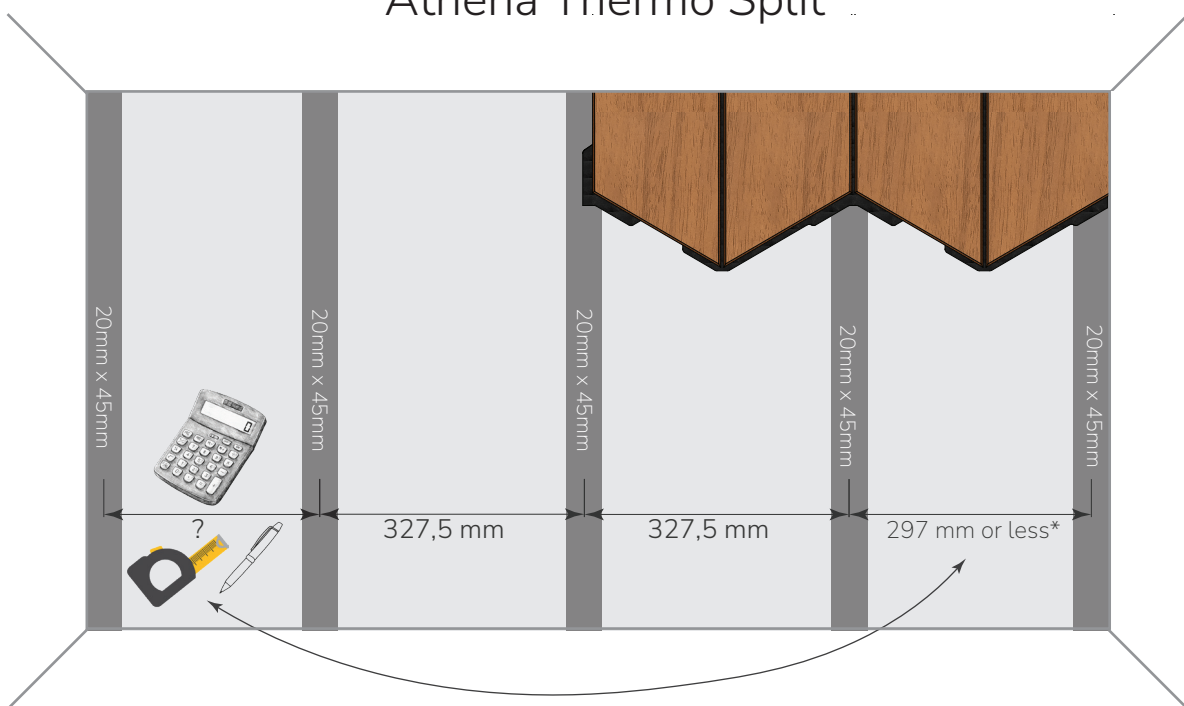


# Battens distances

## Athena



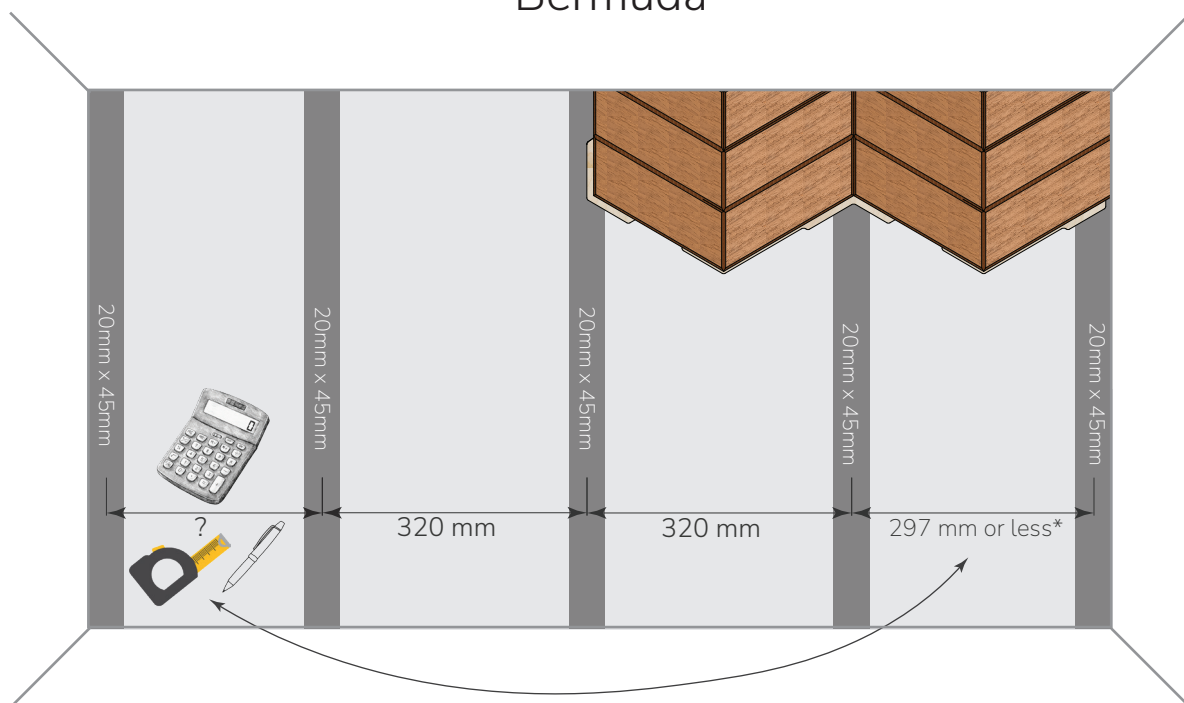
## Athena Thermo Split



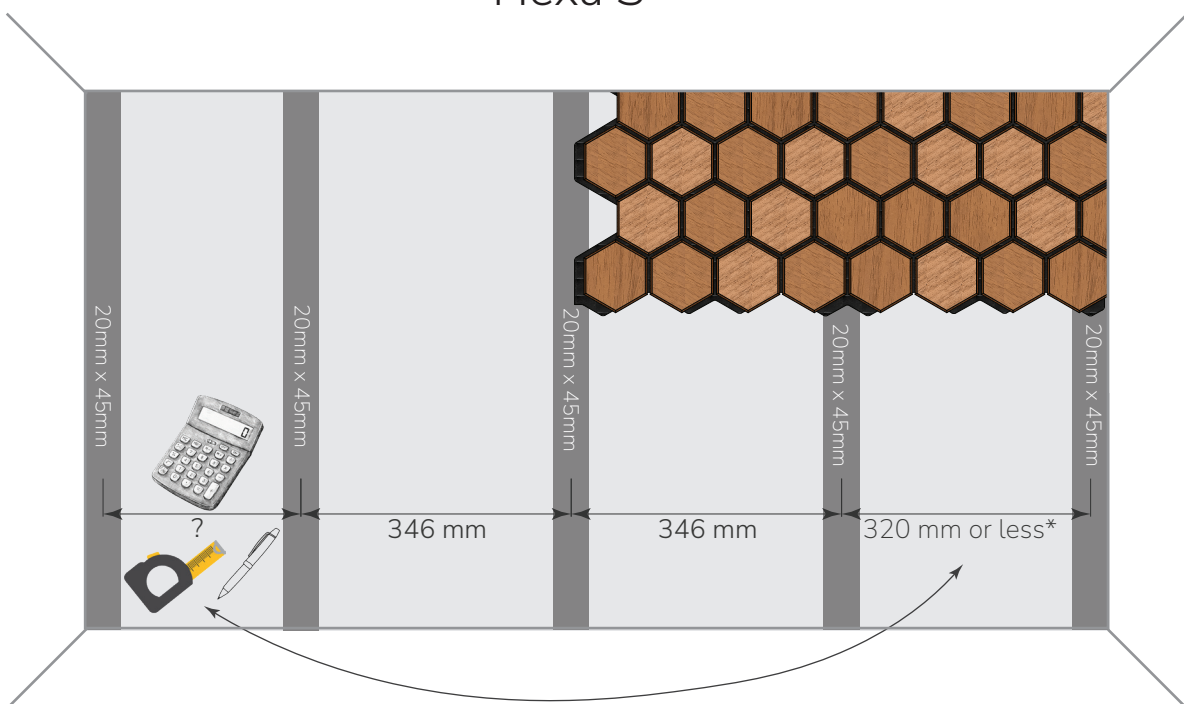


# Battens distances

## Bermuda

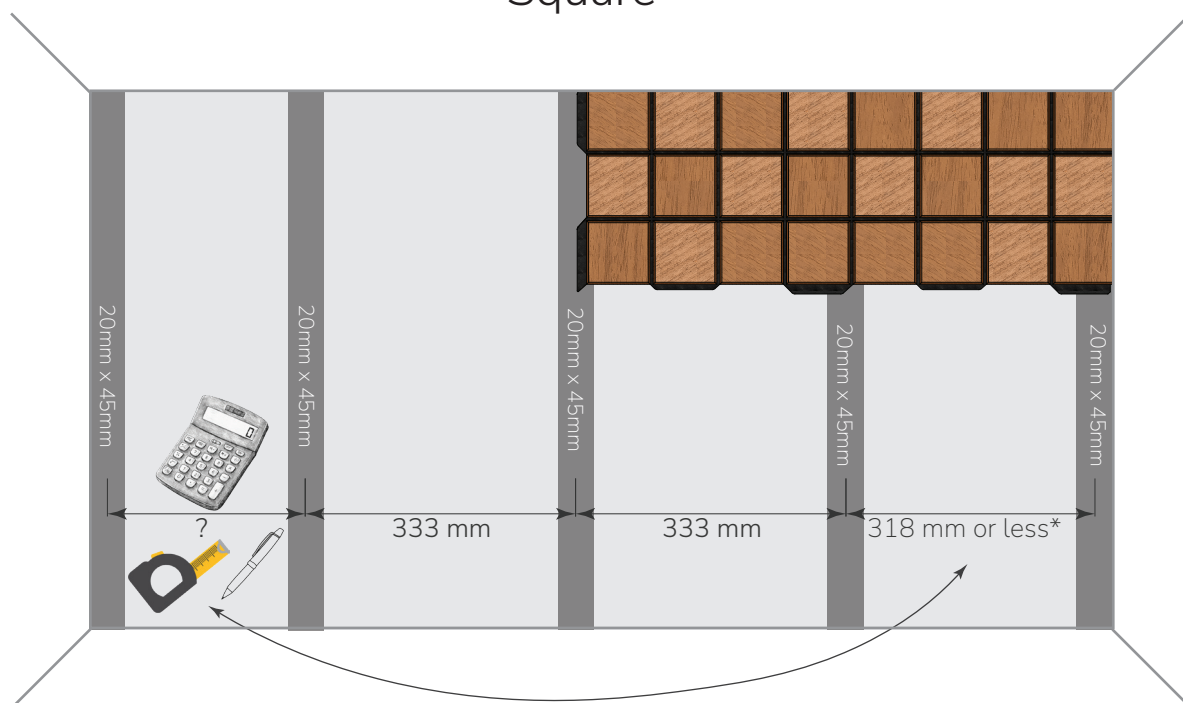


## Hexa S



# Battens distances

## Square



## Hexa XL Rhombus

