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V20230103

# WPC Beam

Installation Guide



FIND  
US ON



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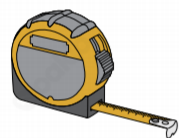
## Read All Sections Before You Install

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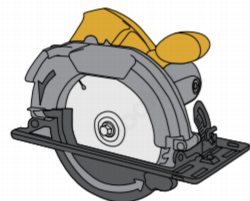
These installation guidelines will direct you through the process of installing Oakio products. These installation methods are recommended by Oakio, but they may not cover every installation scenario you may encounter. Since each installation is unique in its performance requirements, the ultimate installation method used is the sole responsibility of the installer. Oakio recommends that all designs be reviewed by a licensed architect, engineer or local building official before installation. Make sure your plans meet local building codes before you begin the installation.

### Tools Required

You can use cross spacers to determine decking spacing easily. The specification of cross spacer should be matched with width-to-width gap. If the temperature is higher than 5°C during installation, 3mm cross spacers should be used. If the temperature is lower than 5°C during installation, 6mm cross spacers should be used.



Tape Measure



Circular Saw

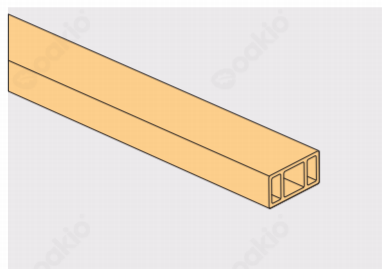


Laser Distance Meter



Caulking Gun

### Profile



PSM05

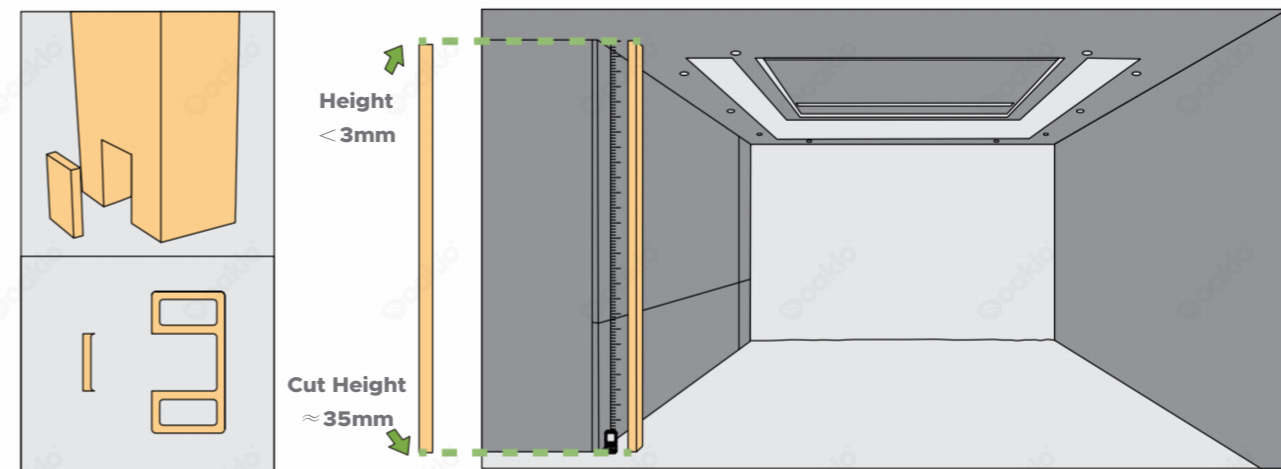
Name: Beam  
Size: 100 x 52 mm

## Oakio Beam Installation Instructions

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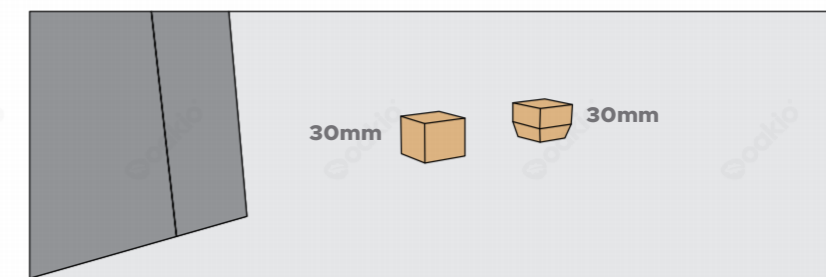
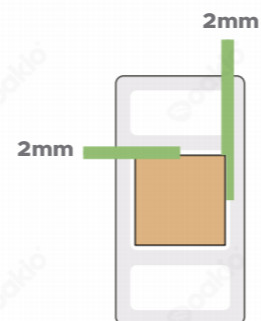
### 1 Step 1: Prepare Beams

Based on the room height, determine the required length of the beam. Remember to leave 3mm gap at the top of the beam. Then, cut a hole at the bottom of the beam with a height of about 35 mm.



### 2 Step 2: Prepare Anchors

One beam requires two square wooden blocks as anchor points (one is for floor, another is for ceiling). The height of the wooden blocks should exceed 30 mm, but the block on floor should not be taller than the height of the hole in step 1. Besides, the sizes of blocks should be about 2 mm smaller than the hollow space in the middle of the beam to ensure that the wooden blocks can smoothly fit into the interior of the beam. Additionally, the wooden blocks placed on the ceiling should have their corners slightly rounded for a better fit.

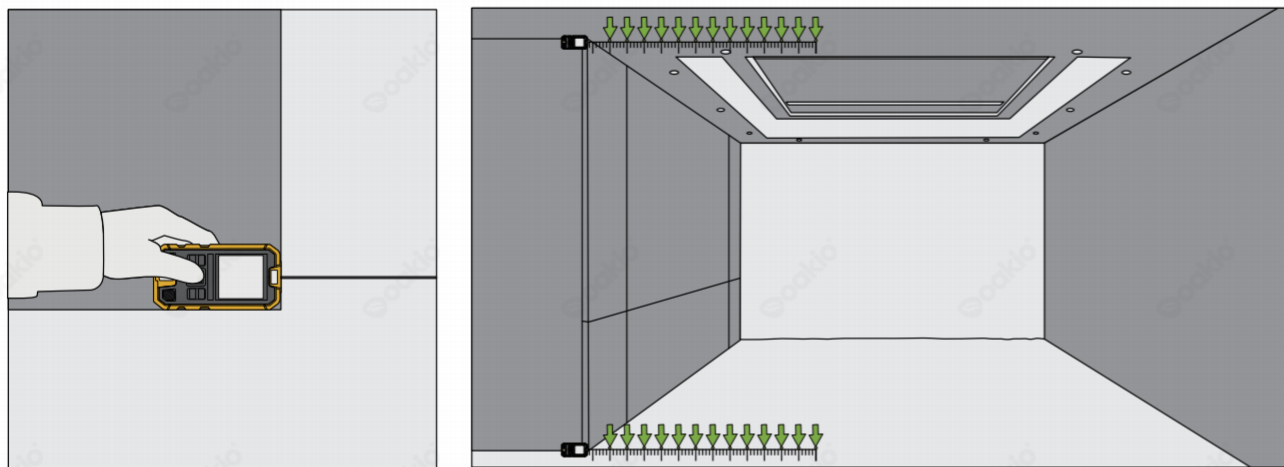


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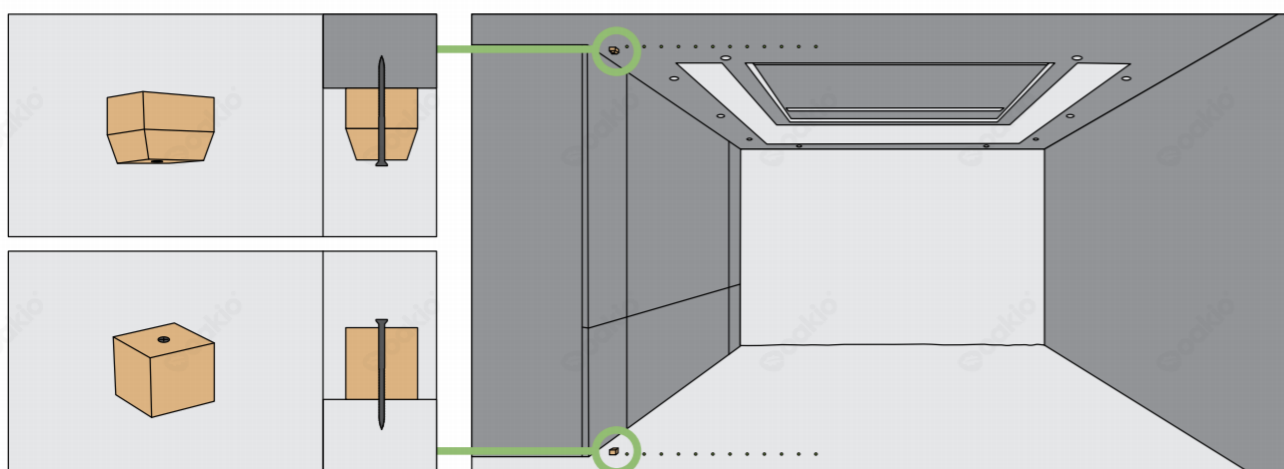
### 3 Step 3: Determine the Location of Beams

Use a laser distance meter to accurately determine the installation positions for all beams. The spacing between beams can be decided according to design and personal preference.



### 4 Step 4: Install Anchors

Secure the wooden blocks in place using screws.

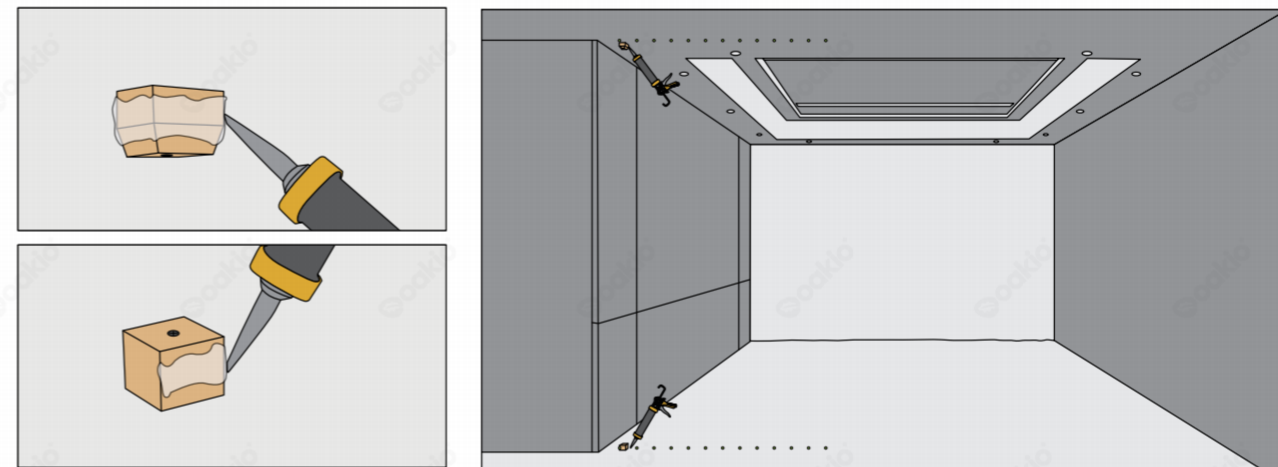


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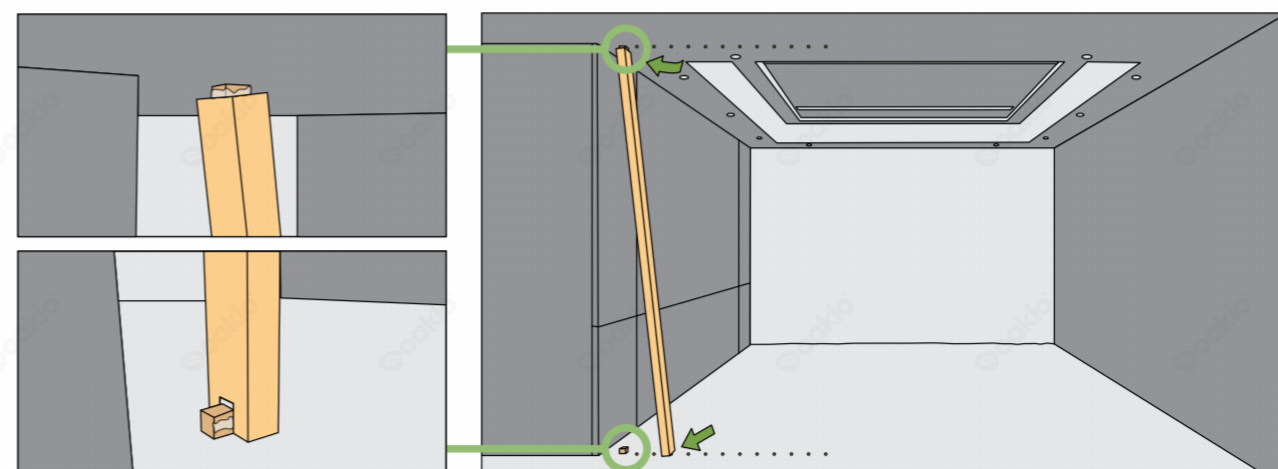
### 5 Step 5: Apply Glue

Apply glue around the wooden blocks using a caulking gun.



### 6 Step 6: Install the Beam

Begin by inserting the top wooden block into the hollow space of the beam. Then, insert the bottom wooden block into the beam through the hole at the bottom of the beam. Once both wooden blocks are smoothly inserted into the beam, check to ensure it is secure.

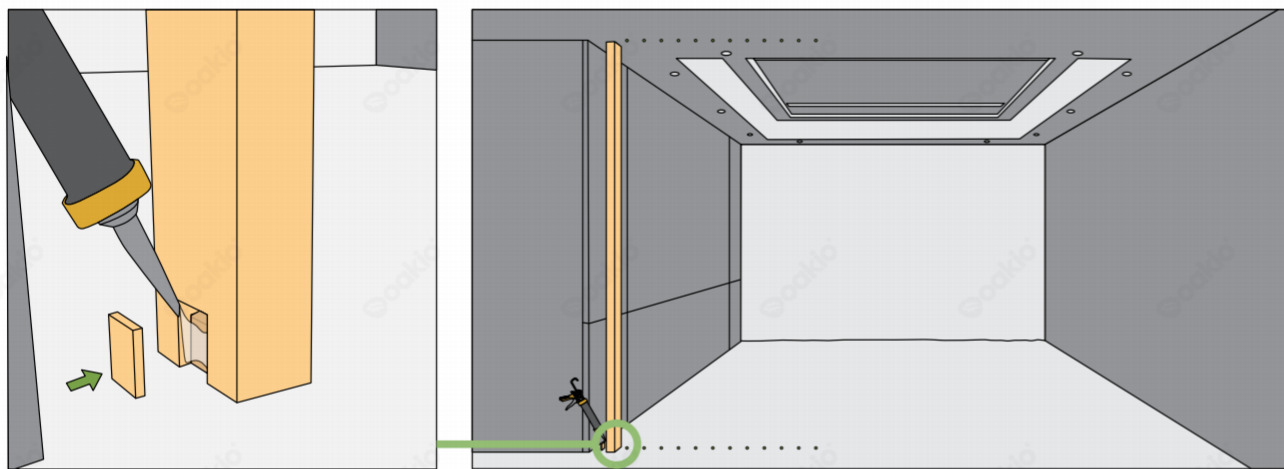


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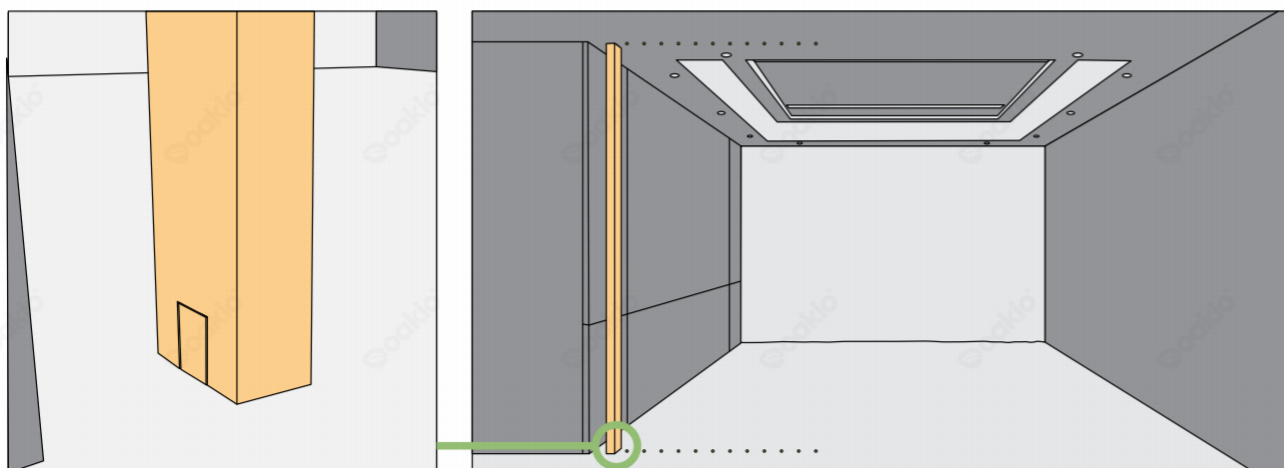
### 7 Step 7: Prepare to Fill the Hole

Start by preparing a wooden piece that matches the size of the hole. If the original wooden piece cut from the beam cannot fill the hole properly, you can cut a bigger-size piece from another beam to use. Then, use a caulking gun to fill the inside of the hole.



### 8 Step 8: Fill the Hole

After filling the inside of the hole with glue, install the wooden piece.

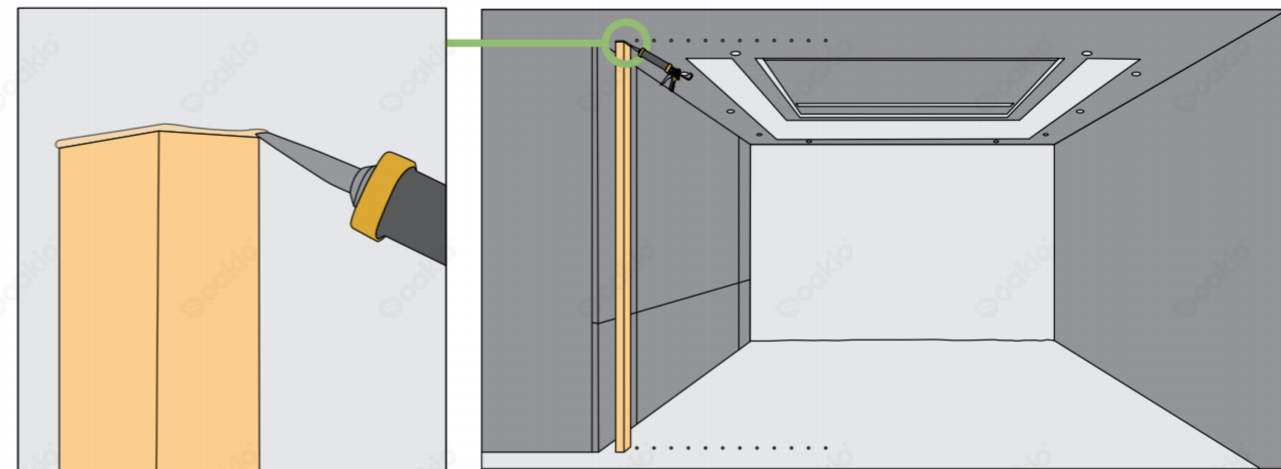


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### 9 Step 9: Fill the Gap

Fill the gap at the top of beam with glue. The colour of the glue should be transparent or match the colour of the ceiling.



### 10 Step 10: Complete Installation

Repeat the steps above until all beams are installed.

