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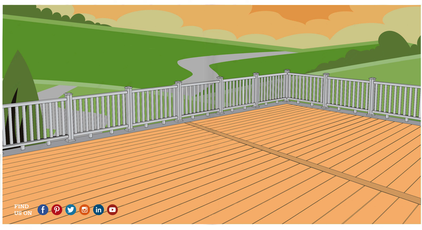
HOMY WPC

WPC Decking

Installation Guide



Read All Sections Before You Install

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These installation guidelines will direct you through the process of installing HOMY products. Most installers will find this process similar to the installation of a wood deck. However, there may be areas that differ from what you are used to.

These installation methods are recommended by HOMY, 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. Nuoqi assumes that all designs are 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.

Extreme Heat Warning

Be aware of excessive heat on the surface of HOMY products from external sources such as but not limited to fire or reflection of sunlight from energy efficient window products. Low-emissivity (Low-E) glass can potentially transmit excessive heat to HOMY products, which may result in damage to the product. Please check with your window supplier on exterior surfaces. This extreme elevation of surface temperatures, which exceeds that of normal exposure, can possibly cause HOMY products to melt, sag, warp, discolor, increase expansion/contraction, and accelerate weathering. Current or potential HOMY customers that have concerns about possible damage by Low-E glass should contact the manufacturer of the product which contains Low-E glass for a solution to reduce or eliminate the effects of reflected sunlight.

Environment

You need a clean, smooth, flat and strong surface to install HOMY products.
It is important during construction, the deck's surface stay clear from excessive build-up of dirt, sand and dust from clay, concrete, sewage, grease stains or any other masonry products. If these materials are not removed immediately, the deck surface will become difficult to clean and fast traffic can potentially damage the deck's surface finish.

Expansion and Contraction

HOMY decking planks will experience expansion and contraction with changes in temperature. Expansion and contraction are most significant where extreme temperature changes occur. Changes in length are most significant during the installation process. For example, a 20 foot board may change in length approximately 1/4 inch between a cool morning and a hot afternoon. Planks during a hot afternoon, resting them at outside overnight in the cool air and then installing them the next morning, and you will notice a certain amount of contraction. The best way to minimize this problem is to fasten your planks after cutting as soon as possible.

Fascia Installation Recommendations

HOMY fascia utilized around the perimeter of a deck must be equipped with the same requirements as HOMY decking to allow for air flow and expansion/contraction of the fascia.

Install Fascia Beside Decking Edges

- The gap between the upper decking and ground must be minimum 6" allowing 2nd gap between the bottom of decking and ground.
- If the gap between the upper screw and the under screw is wider than 500mm, add a certain number of screws in the middle with 20mm intervals.

Install Fascia Under Decking Edges

- The gap is wider with minimum of 20mm.
- If the gap between the upper screw and the under screw is wider than 500mm, add a certain number of screws in the middle with 20mm intervals.

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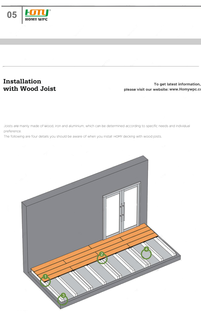
Tools Required

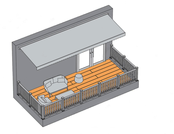
You can use cross sizes to determine decking spacing easily. The specification of cross spacer should be matched with width to width gap if the temperature is higher than 5℃ during installation. 3mm cross spacers should be used. If the temperature is lower than 5℃ during installation, 6mm cross spacers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



Sleeper Deck System

A sleeper is used in a substructure between a solid surface and HOMY decking. Drainage, access, and airflow are critical factor must be able to flow through and away from the deck. For repairs and removal of debris, joist system access may be required.

1. It is recommended that building code approved structural material be used as the supports.
2. This system should not be allowed to float. It must be attached in a manner that secures the framing/concrete.
3. Sleepers should be placed on flat surfaces to prevent uneven undulations. Any uneven areas of the substructure will transfer to the outer decking, resulting in uneven decking.
4. When used with a sleeper system, the decking must be supported/attached to entire length. If using in a cooling application, the supports must run the direction of the pitch of the roof to facilitate proper drainage. Sleeper should be placed perpendicular to the deck board orientation.
5. For commercial applications, consult a local building code official for specific requirements.



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Installation Notice

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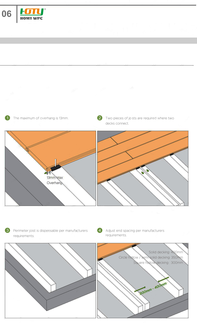
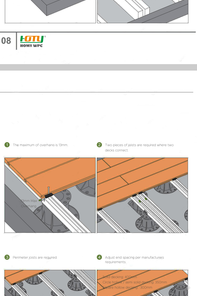
Pre-drilling is required whenever screws are fixed to wpc materials.
The temperature refers to ambient air temperature when you install the decking.

1. Mounting gap is required.
2. Remain board-to-board gap in case of expansion and contraction



3. At least two screws for fascia or width
4. Miter cuts at corners create a more aesthetically appealing installation



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Installation with Wood Joist

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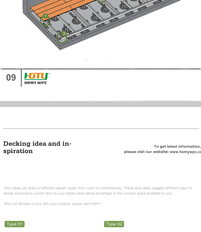
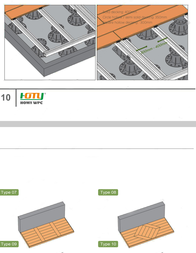
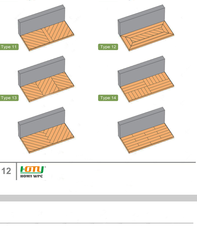
Joists are mainly made of wood, iron and aluminum, which can be determined according to specific needs and individual preference.
The following are four details you should be aware of when you install HOMY decking with wood joists.



1. The maximum of overhang is 30mm.
2. Two pieces of joists are required where two ends connect.



3. Perimeter joist is dispensable per manufacturers requirements.
4. Adjust and spacing per manufacturers requirements.



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Installation with Aluminum Joist

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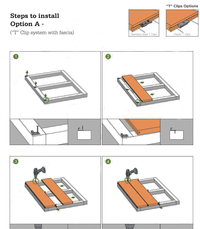
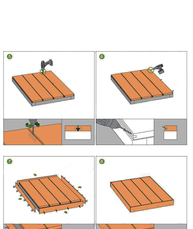
Joists are mainly made of wood, iron and aluminum, which can be determined according to specific needs and individual preference.
The following are four details you should be aware of when you install HOMY decking with aluminum joists.



1. The maximum of overhang is 30mm.
2. Two pieces of joists are required where two ends connect.



3. Perimeter joists are required.
4. Adjust and spacing per manufacturers requirements.

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Decking idea and inspiration

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Deck ideas can show on different design styles, from rustic to contemporary. These deck ideas suggest different ways to design and build a custom deck to your needs while taking advantage of the outdoor space available to you.

Why not fall back in love with your outdoor spaces with HOMY?

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Steps to install Option A -

("T" Clip eyelash with fascia)

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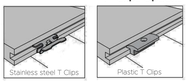
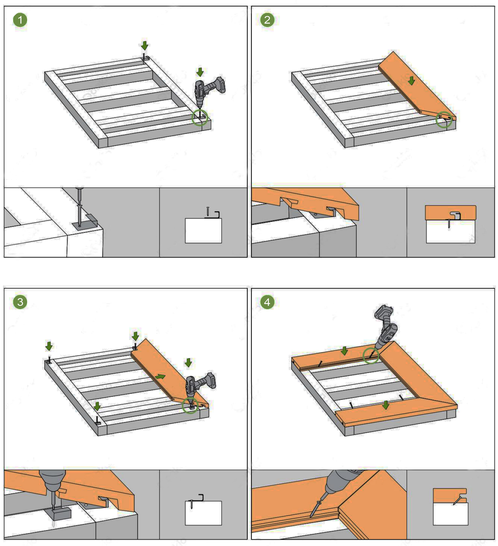
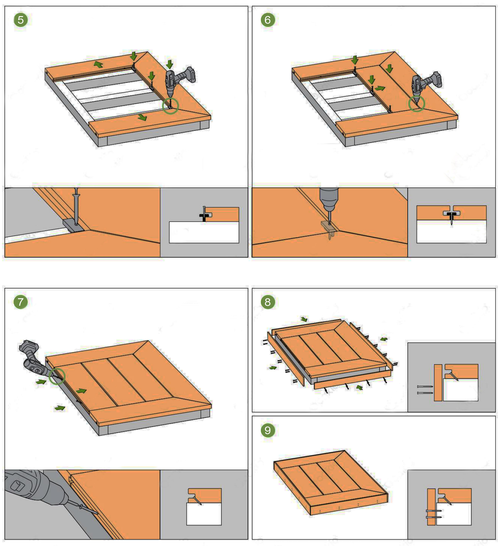
Steps to install
Option B -
("T" Clip system with edge board)

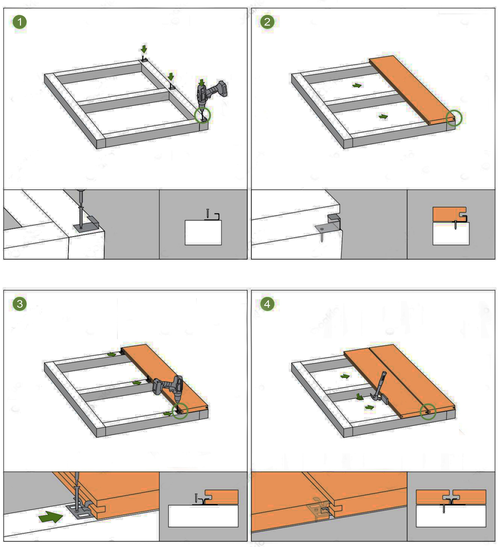
"T" Clips Options

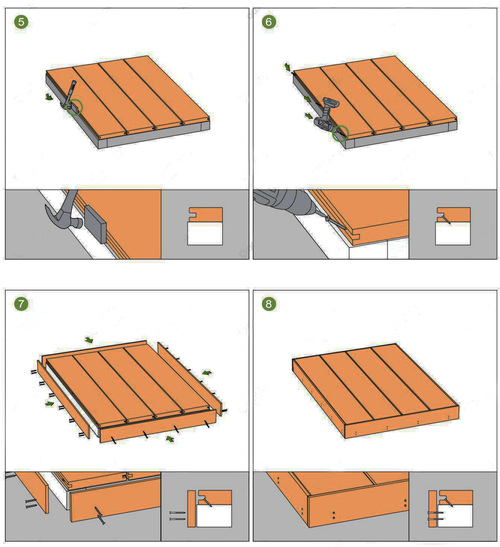
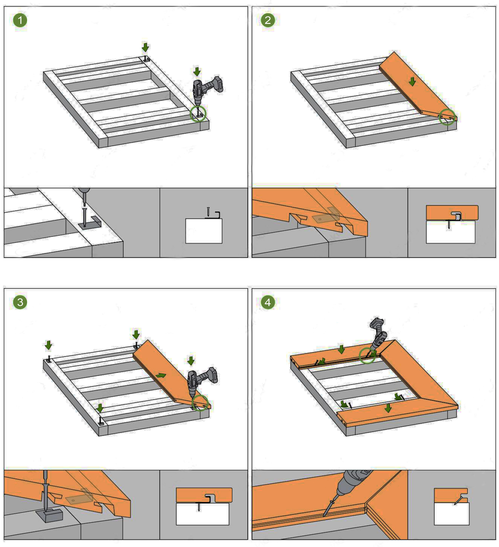
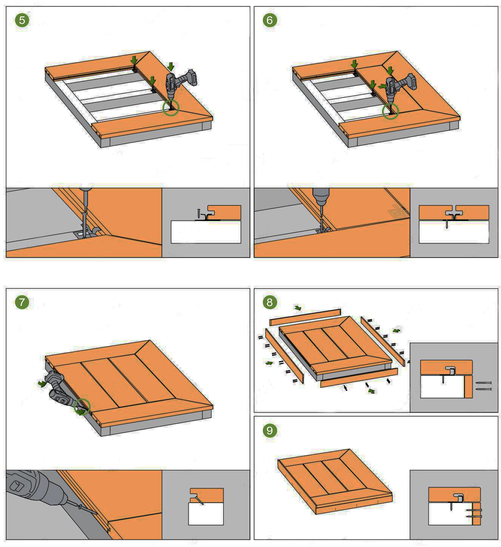






Steps to install
Option C -
("π" Clip system with fascia)





Steps to install
Option D -
("π" Clip system with edge board)