

MIBACOMP



EN

INSTALLATION MANUAL Composite decking boards



INVISIBLE INSTALLATION
CLIP SYSTEM

MIBACOMP

WPC (Wood Plastic Composite) decking is a high-tech decking made from wood fibers and high-quality polymers, designed for outdoor use. It incorporates a 360° protective layer, guaranteeing greater resistance to moisture, sun, and daily wear and tear.

Main advantages

- Does not rot or develop mold.
- 360° protective layer for maximum durability.
- High longevity in outdoor conditions.
- Easy to clean and maintain.
- No sanding, staining, or painting required.
- Hidden-clip installation system for a clean finish.

REQUIRED MATERIALS

Element	Description / Use
WPC decking board (round hollow profile – Round Hollow)	Composite decking boards with hollow-core structure, reducing weight without compromising strength, specifically designed for outdoor use.
Composite batten	Structural battens secured to the ground to support the decking boards.
T-Clip (PP) or 304 stainless steel clip	Intermediate fastening elements placed between the boards to attach them to the battens, allowing a secure installation with hidden screws.
Hidden fastening clips	Allow the bamboo boards to be fixed to the battens without visible screws.
Suitable screws	Screws specifically designed for fixing clips and battens, ensuring a strong and secure installation.
WPC side trim (Cover Trim)	Finishing profile that covers the sides, providing a clean and professional appearance.

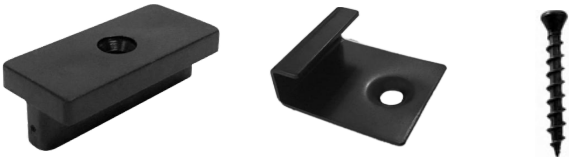
TIPS

Pre-drilling is recommended before screwing to ensure proper fixing and prevent damage to the material. The structure must be installed on a completely level base, with the battens spaced 300 to 350 mm apart and screws spaced 500 mm apart. A 15 mm expansion joint must be left between the end of the batten and the wall to allow for material expansion. It is essential that the ends of the boards are always supported by a batten to ensure the system's stability and durability.

HIDDEN CLIP SYSTEM

The hidden-clip system is a fastening method that allows composite decking to be installed without visible screws on the surface. The clips are placed in the side groove of each board and secured to the battens with screws, remaining completely hidden between the boards.

This system ensures a firm and uniform attachment, accommodates the natural expansion of the material, and provides a clean, aesthetic, and professional finish. Additionally, it enables a faster and more organized installation.



Mandatory: The hidden-clip system must be installed exclusively using the recommended clips and screws, while adhering to the installation spacing and expansion joints specified in the manual.

Directly fastening the boards from the visible surface with screws is not allowed, as this can affect the natural expansion of the material, compromise the system's stability, and void the product warranty.

PRECAUTIONS

It is essential not to install composite decking directly on uneven or unstable ground, as this can cause unevenness, structural movement, and warping over time. The subfloor must always be firm, level, and properly prepared. Likewise, the recommended expansion joint should not be omitted, as the material can expand and contract with temperature changes; the lack of this space can lead to bulging or stress in the structure. The specified distance between joists should also not be exceeded, as a greater separation compromises the strength and stability of the system. Finally, pre-drilling before screwing is recommended to prevent cracks or damage to the decking and ensure a proper and long-lasting fastening.

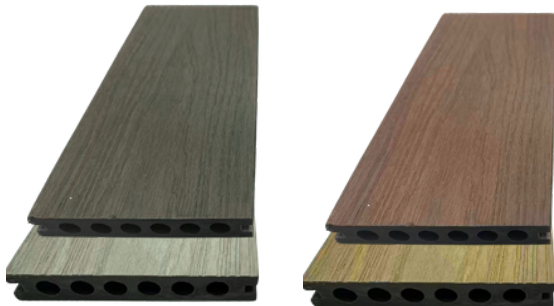
SAFETY During installation, wear protective glasses and gloves throughout the installation, secure the work area against falls or trips, check that all tools are disconnected before changing drill bits, and do not work in rainy conditions or on wet surfaces.

IMPORTANT NOTE: WPC composite decking is designed to offer high resistance, structural stability, and minimal maintenance, even in demanding outdoor conditions. Thanks to its technological composition and protective layer, it withstands moisture, temperature changes, and continuous use. However, for the product to achieve its maximum performance and retain its properties long-term, correct installation according to the technical specifications is essential.

It is recommended to strictly follow the instructions in the installation manual, respecting the distances between battens, screw spacing, expansion joints, and the use of appropriate fastening systems. Installation that does not comply with these guidelines may result in movement, deformation, or a reduction in the product's lifespan. Correctly applying the technical instructions guarantees a professional, safe, and long-lasting result.

INSTALLATION ACCESSORIES

01 WPC decking board



02 Decking cover strip



Cover strip
11x71 mm
Length
2200 mm

Colors



03 Composite batten



Composite batten
30X50 mm
Length
2200 mm

Composite decking installation kit / 3 m²

- 70 screws
- 10 starter clips
- 60 intermediate plastic clips

04 Plastic clip



05 Start/End Clip



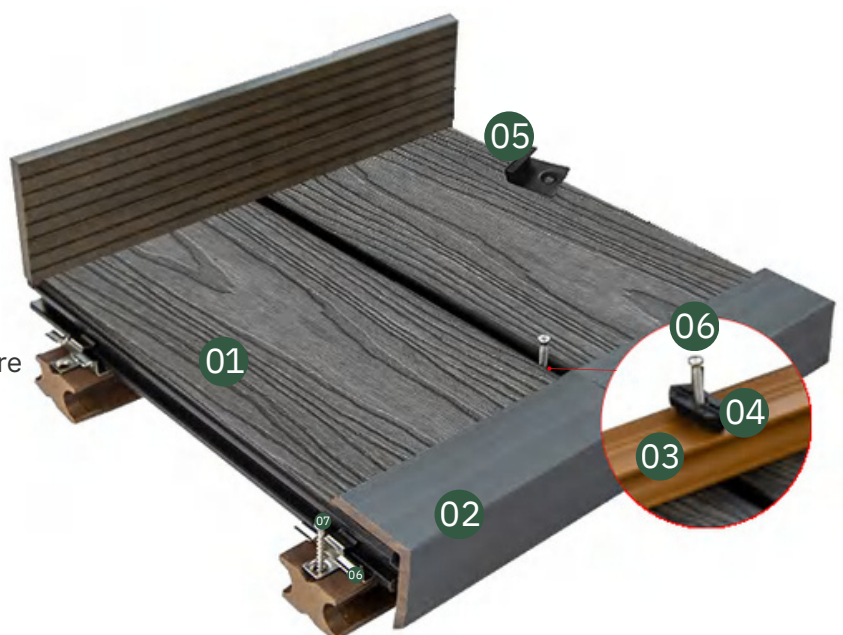
06 Screws



INSTALLATION DIAGRAM

Note:

It is recommended to drill the screw holes before installation.



INSTALLATION "A"

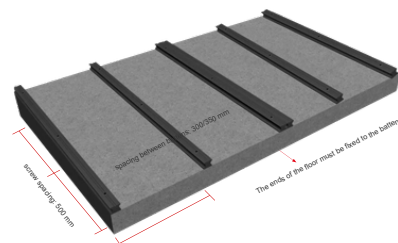
INVISIBLE CLIP SYSTEM

Type A installation uses T-Clips made of PP (polypropylene) as an intermediate fixing system between the boards and the battens, allowing for concealed fixing with structural plastic clips. This system facilitates the natural longitudinal expansion of the material and offers a quick and efficient installation.

This system is suitable for residential installations and areas of moderate traffic where a functional, stable solution with a hidden aesthetic finish is required.

1. INSTALL THE BATTENS

Ensure the floor is completely level. Drill holes in the battens and secure it to the floor with screws. The spacing between battens should be 300–350 mm and the distance between screws 500 mm.



2. INSTALL THE STARTER CLIP

Before placing the first board, attach the starter clip to the batten with screws at the end of it.



3. ATTACH THE T-CLIPS

Insert the T-Clips into the side slot of the board and screw them to the battens with the screws supplied.



4. INSTALL THE NEXT BOARD

Fit the next board by sliding it over the T-Clips to secure the first one. Then repeat the procedure.



5. CONTINUE THE INSTALLATION



Repeat the previous steps until the entire surface is covered. Secure the last board by screwing it into the groove and prepare for the installation of the side trim.

6. INSTALL THE SIDE TRIM (COVER TRIM)

Complete the installation by securing the finishing profile with screws to achieve a clean and professional final finish.



INSTALLATION "B"

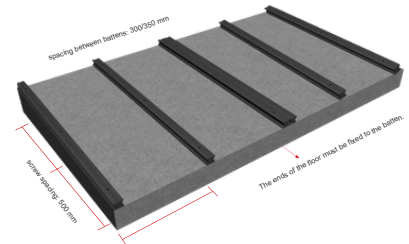
INVISIBLE CLIP SYSTEM

Type B installation uses 304 stainless steel clips as an intermediate fixing system between the boards and the battens, offering greater mechanical strength and durability under demanding conditions. It is especially recommended for high-traffic areas, commercial spaces, and areas with high exposure to humidity or climatic variations.

*Note: This method uses stainless steel clips to install the flooring. It is recommended to pre-drill the holes before screwing in and leave a 15 mm gap between the end of the joist and the wall to allow for expansion. **Pre-drill***

1. INSTALL THE BATTENS

Ensure the floor is completely level. Drill holes in the battens and secure it to the floor with screws. The spacing between battens should be 300–350 mm and the distance between screws 500 mm.



2. INSTALL THE STARTER CLIP

Before placing the first board, attach the starter clip to the batten with screws at the end of it.



Insert the T-Clips into the side slot of the board and screw them to the battens with the screws supplied.

STAINLESS STEEL (304) CLIP

4. INSTALL THE NEXT BOARD

Fit the next board by sliding it into the stainless steel (304) clip to secure the first board. Then repeat the previous steps.



5. CONTINUE THE INSTALLATION

Repeat the previous steps until the entire surface is covered. Secure the last board by screwing it into the groove and prepare for the installation of the side trim.



6. INSTALL THE SIDE TRIM (COVER TRIM)

Complete the installation by securing the finishing profile with screws to achieve a clean and professional final finish.

