

When you receive Green Plank® products

Properly installing your new Green Plank decking is extremely crucial for long lasting performance.



Check the Package:

Upon arrival check immediately your package for damages. And ALWAYS check the models, quality, color and quantity before starting to install/mount Green Plank® composite products. Any claims of visible defects made after the assembly or modification are not acceptable.

Green Plank® composite products should always be mounted by competent professionals. Green Plank® composites decking should not be used for columns, beams, joists, support posts or other load bearing segments. To maintain warranty right, please always follow these installation instructions - and always use Original Green Plank® Decking accessories (clips, screws, caps, etc.).

Storage:

Store Green Plank® composite products under cover to maintain a clean surface. If stored outdoors, they must be covered with an opaque material. All products should be stored flat and on a dry surface. Stack units with banding and bottom supports aligned.

Acclimation:

Every material expands and contracts with temperature changes, and composite decking is no exception. Avoid potential problems by allowing time for proper acclimation of Green Plank to local temperatures. Expansion and contraction is not a product defect and not covered under the Green Plank warranty.

When installing and cutting, it is important that all boards must be kept as cool as possible by keeping them out of direct sunlight. Boards that have spent several hours in the sun will have expanded more than those kept in the shade, and consequently will contract more when they cool down resulting in uneven or bigger gaps. It is best to mark, cut, and install boards when they are all at roughly the same temperature.

Green Plank® Trims and Moulding products expand and contract with changes in temperature.

Tools:

Electric drill is a must for drilling holes to screw in the Green Plank® composite products. Our products do not allow direct screwing by hammer or other heavy tools, otherwise they might be broken by heavy attack.

Conventional woodworking tools may be used to cut the planks or joists. It is recommended that all blades have a carbide tip.

Tip: Thin tooth blade (for example, 18 to 45 cm in diameter - 24 gear) makes cutting easier.

It is suggested that at least two persons work together during deck installation.

Ventilation:

Green Plank offers two deck board styles. One is traditional rectangular composite board with the side grooves which is installed using the HidLoc™ hidden fastening system resulting ca. 3 - 6 mm parallel gap between boards to allow for air circulation.

The other is a tongue and groove board (Smart™ & Smart-Cap™) that installs in an interlocking manner.

Adequate ventilation is important. To achieve a minimum level of ventilation, the underlying structure must have a minimum thickness of 25 mm (distance to solid unventilated surface must always be a minimum 25 mm). Use of our HidLoc™ Plastic Clips or Steel Clips automatically gives the distance (ca. 6 mm or 3 mm respectively) between the planks, such way air can be circulated well. Direct contact with soil, concrete and similar are discouraged.

Cross Ventilation (Smart™ and SmartCap™):

When using the **Tongue & Groove Smart™ and Smart-Cap™ boards**, a minimum of two sides of the under-deck space must be open for cross ventilation.

In case, the under-deck space is covered with solid cladding or skirting, open lattice must be used for cross ventilation.

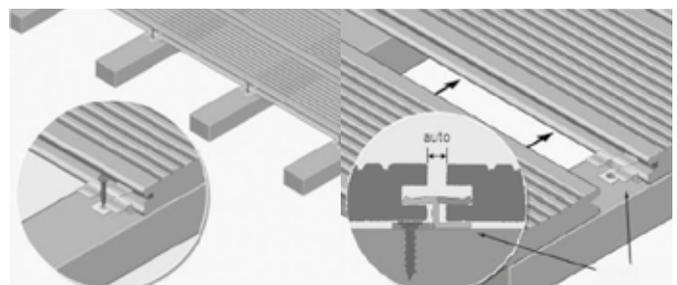
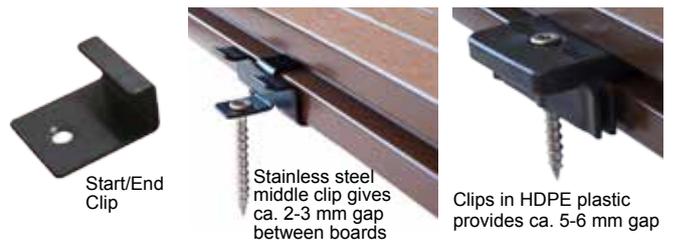


Front or Back Side:

Green Plank® rectangular composite decking boards with side grooves have beautiful slip-resistant designs on both sides, so you just turn the preferred side upward.

Mounting of Deck Boards with HidLoc™ Clips:

First grooved board can be fixed with the joist either with HidLoc™ stainless steel start/end-clip (see Figure 1).



1 Clip per joist has to be placed to the grooved sides of the board. Do not use one Clip to fasten two boards together where two boards meet end-to-end over a joist. To add additional blocking, we recommend adding a 20 cm block and using a clip (at least 15 cm from the end of board) at the end of each board (see Figure 2).

See also the section *Gapping*.

Animated versions of instructions are also available on YouTube.



Mounting of Smart™ & SmartCap™ Deck:

Lay the first board on the joists with the groove side facing the direction of assembly of following boards (with the tongue facing the edge). On the board lying on the joist, screw it to the joist through the pre-drilled long holes. Please pay attention to screw into the middle of hole. (3.5 x 30mm screws). Slide the next board into the groove of the earlier fastened board. Repeat until completed.

Installation of the F trim and L-Trims:

Please pre-drill pilot holes into the trims (Ø 3mm drill) at every 500 mm c/c distance. Mount and screw into the solid framing member (3,5 x 25mm screws).



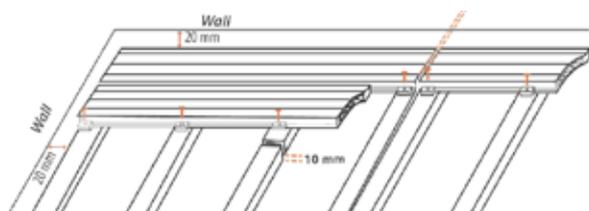
Joists and Joist Spacing:

Quality framing materials and proper building techniques will help assure a successful project. Green Plank also have hollow and solid joists in its product catalog.



Recommended maximum joist distance is 25 - 60 cm on center for residential perpendicular applications depending on the decking board type. For commercial perpendicular applications, we recommend maximum 40 cm joist span on-center. Residential/ commercial parquet patterns and diagonal or herringbone designs all require joist spacing 25 cm on-center. **Be aware that special heavy loads may require closer joist spacing.**

For optimal fastening, especially at the ends, the recommended minimum joists' width is 90 mm. It is important that the joists are of good quality (corresponds to deck's lifetime) and if using wooden joists, they are dry enough for this purpose - i.e. with approx. 16% moisture content.



Sloping Your Deck:

Construct your Green Plank® deck with adequate slope. It is important to remember to construct the structural support members (the joists and beams) with a slope of 2 mm per meter away from the house. Constructing the structural framing with slope will result in the decking to also be similarly sloped when it is attached to the supports, which will allow water to naturally drain off of the decking. This slope is small enough to escape detection by the naked eye, but enough to force water away from the house.

Gapping:

Due to the properties of composite material, any composite materials have expansion / contraction in all directions, depending on the temperature that affects the entire structure. Gapping is necessary to facilitate drainage and for the slight thermal expansion and contraction of Green Plank composite products. Following the proper gapping will ensure that your deck looks great year after year.

Dark color boards under the strong sunlight become warmer and react faster than the light color planks. One should bear in mind these properties at the time of installation and have a clear area for expansion.

Keep enough distance from walls and solid building, we recommend at least 20 mm. (If using Green Plank joists, please also keep a head-to-head distance between joists at least 20 mm.) Please keep a head-to-head distance between deck boards at least 8 mm.

Accessories:

To make your Green Plank® Deck more beautiful you can choose matching accessories, i.e. End Caps, F-Trims, L-Trims, T-Trims, Stair-nose Trims and Fascia Boards, etc. End-Caps must be fastened with 20 mm screws.

Note: The hollow deck profile must be used with fascia, trims or end caps.

Safety:

Cutting, grinding or sanding should be done outdoors or in a well-ventilated area.

For your safety, remember to wear safety glasses and protective clothing.

DISCLAIMER:

The Diagrams and instructions in this installation guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of Green Plank® products must be in accordance with all local zoning and/or building codes. The consumer assumes all risks and liability associated with the construction and use of the product.

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