

WPC Grooved Decking Installation Guide



SenTai WPC grooved decking is the optimum choice for all decking applications and installs as easily as traditional wood decking. The surface looks great of its natural wood appearance with minimal maintenance. We mix the natural fiber (bamboo/wood powder) with PE into a strong, moisture-resistant composite, it is engineered to endure harsh weathers abuse of all sorts including rainstorms, rots, salt, sand and heavy traffic. This revolutionary solution allows you to just sit back and enjoy your deck as time goes by.

It is a safe, environmentally responsible alternative to traditional decks, conserving energy and resources. Not only does this save your time over the maintenance, but it will save you money as well. Do the math and you'll know.

To ensure continued client satisfaction, we always buy the good quality raw material. Each piece is knot free and consistent in size, color and length, therefore eliminating the search for the perfect piece. It looks, smells and handles like wood but has the durability of plastic.

The Diagrams and instructions in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of SenTai WPC Grooved Decking 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.



Anhui Sentai WPC New Material Co.,Ltd.

WPC Grooved Decking Installation Guide

Prior to install any form of decking, it is recommended that you check the local building codes for any special requirements or restrictions.

SenTai WPC grooved decking should not be used for columns, beams, joists, support posts or other loading bearing segments.

Failure to follow instructions may void the warranty.

Tools:

Electric drill is a must for drilling holes to screw in both the WPC keels & the decking. WPC material does not allow direct screwing by hammer or other heavy tools; otherwise it might be broken by heavy attack.

Standard woodworking tools maybe used to cut the board or keels. It is recommended that all blades have a carbide tip. Gloves might be needed up to installing people's option.

Our stainless screw is recommended, while other standard deck screws/nails can be used also. Hot-dipped, ceramic coated or stainless screws are recommended because they resist rust and stains.

Drainage

Its water absorption rate is about 0.2%, expansion/contraction rate is about 0.5%, so a gapping about 1mm between two boards is suggested for future expansion/contraction.

Slightly slope the decking (5mm per meter) away from the house to allow for water run-off

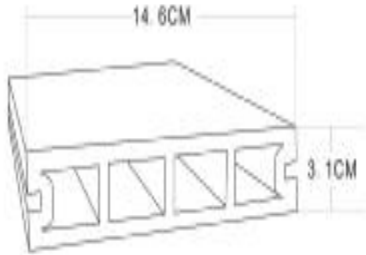
When installing a decking over a living space, proper flashing is essential.

The Diagrams and instructions in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of SenTai WPC Grooved Decking 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.

WPC Grooved Decking Installation Guide

Main parts

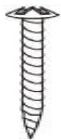
SenTai grooved decking Specification: 14.6cm (W) x3.1cm (H) x (L) which ever



Keels Specification: 4.0cm(W) x 2.5cm(H) x (L) which ever



Stainless screw Specification: 40mm(L) X 4mm(Diameter), 30mm(L) X 4mm(Diameter)



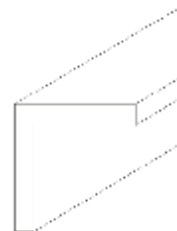
“T” clip

Specification: 4.0cm(L) X 2.0cm(W)



Corner trim

Specification: 4.8cm(L) X 4.8cm(W)



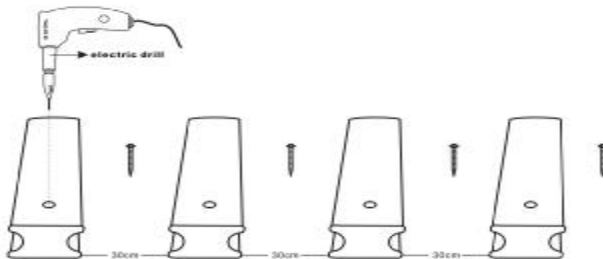
The Diagrams and instructions in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of SenTai WPC Grooved Decking must be in accordance with all local zoning and/or building codes. The consumer assumes all risks and liability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

Installation steps

First Step: Fix the WPC keels/joists

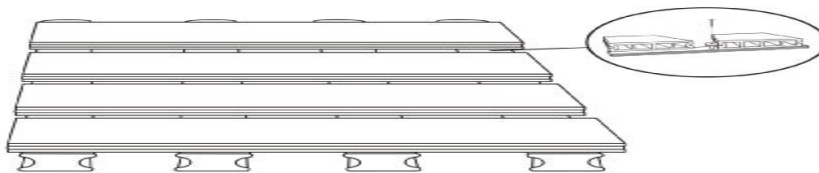
Arrange the WPC keels on the concrete floor on line with a suggested average gap 30cm between each other. Drill holes on the keel by using an electric drill, and then fix the keels to the concrete floor with inflation nails.

Attention: Please don't directly screw in nails with heavy tools. Do not over drive or leave the nail/screw heads above the top surface.



Second step: Fix the decking to the keels

Use an electric-drill to drill holes on the external side of the first grooved decking, then screw in stainless nails (M4x50mm) to fix the decking to the keels. Plastic fitting have to be placed to the groove sides of the decking on line between every two decks. After finish arrangement of both the decking and the plastic fittings, two people at the opposite side of the boards, pushing the boards together to make the boards lean to each other firmly. Then screw in the stainless nails to all of the plastic fittings, which have a hole in the middle.



Suggestions:

It is suggested that more than two people working together during installing the decking. This WPC material is quite heavy because of its high density, it might be difficult for one person to hold or move.

The Diagrams and instructions in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of SenTai WPC Grooved Decking 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.

Curve Solution

SenTai WPC outdoor decking cannot only be installed in a straight road, but also can be installed in a curve, you can cut each piece into a wanted angle, and then place on the curve as per your demand.

Following there are two curve examples:



The Diagrams and instructions in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of SenTai WPC Grooved Decking 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.

Cleaning

Possible questions	Solutions suggested
Dirt or debris	Clean the decking to remove dirt or debris by using soap, hot water and a stiff bristle.
Mold	Use conventional wood washes or cleaners that contain bleach and detergent (refer to Mold Technical Bulletin).
Chalk Markings	All colored chalk lines are permanent except white. Scrubbing the area with hot soapy water with bleach may dislodge some of the chalk
Ice and Snow	Calcium chloride or rock salt, available in many home centers, will melt ice on decking. Rinse off when first practical.
Rust Stains, Ground-In Dirt and Grime	Use a cleaning product containing oxalic or phosphoric acid base to lighten or remove the rust or dirt. Product may need to sit on stain 10-15 minutes.
Oil and Grease Stains	Scrub in a household-degreasing agent as soon as the stain occurs. Rinse with hot water.
Berries and Wine Stains	Mix bleach into hot water according to the bleach-packaging label. Scrub the stain lightly and rinse thoroughly. The stain may not disappear entirely.
Ink Stains	Inks may be permanent. However, scrubbing with hot soapy water may lighten the stain. Rinse thoroughly.

Note: Periodic cleaning of SenTai WPC decking is suggested, even if it appears clean, is important to prevent the build-up of pollen/debris that can cause mold. If unsure about the product being used to clean/remove stains from your deck, it is recommended that you test a small area in an inconspicuous place to determine if the product will cause any unwanted discoloration. Using a spray nozzle may use commercial pressure washers to remove stains, ground in dirt, or mold. Do not use steam nozzle. Use cold water and keep the spray nozzle at least one foot away from the deck, The use of a pressure washer with a greater than 1,500 PSI and/or applied closer than 10" from the deck surface could damage the decking surface and result in a loss of warranty coverage. Decking does not recommend sanding. Sanding will change the appearance of the surface of WPC material.

The Diagrams and instructions in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of SenTai WPC Grooved Decking 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.



Anhui Sentai WPC New Material Co.,Ltd.

WPC Grooved Decking Installation Guide

Color Variations:

Although we have already added colorants and stabilizers during production, the decking will still have slight color variations. This is a natural occurrence in the fibers and plastic used in the manufacturing process

Due to variations in the manufacture runs, it is recommended that all required composite decking materials be purchased at the same time and an allowance for coverage is recommended. SenTai decking will lighten over time and color variation are not covered under the warranty

We do not recommend sanding your deck to remove stains or scratches, Sanding may produce unwanted color variation and will change the appearance of the finish of your composite deck.

Limited Warranty:

SenTai WPC decking comes with a 15-year limited warranty, which should be under proper usage that provides comprehensive coverage against splintering, splitting, rot or decay, and in termite damage. Our products have been tested by China's government organization, which issued a formal TEST REPORT for our products quality. We can provide this TEST REPORT copy if it is needed.

Exclusions: Items damaged due to acts of vandalism, misuse, or improper installation is not covered. Proof of purchase (dated register receipt) is required for warranty claims. We don't reimburse for transportation or delivery costs, or compensate the individual or any outside party for assembling or disassembling the product.

Attention:

Although Wood Plastic Composites has many good features in outdoor usage, while it has some shortages also. The most evident shortage is its IMPACT RESISTANCE is not very good, this is decided by inside structure of this material.

Here is our recommendation: Please try to keep this material away from heavy impact or attack during usage.

Please take care of it during transportation, installation and storage, avoid its falling from high place.

For more information and customer service please call 0086-0572-2127866 or email to hzshentai@vip.163.com.

Website: www.sentai-wpc.com

Contact person Susan Yang.

The Diagrams and instructions in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional. Any construction or use of SenTai WPC Grooved Decking 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.