



WPC Grooved Decking Installation Guide



GS WPC is a new type of composites made by mixed natural fiber (bamboo/wood powder) with HDPE and other chemical additives (.This construction material is a strong, moisture-resistant composite, engineered to endure harsh weathers abuse of all sorts including rainstorms, rots, salt, sand and heavy traffic. The surface looks great of its natural wood appearance with minimal maintenance. Our GS WPC products are extruded from the unique high pressure and temperature machine, so each piece of the products 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.

Backed up by a 15 years warranty (products under proper usage), this revolutionary solution allows you to just sit back and enjoy your outdoor life as time goes by. To ensure continued client satisfaction by supplying durable and stable high quality WPC products, we always purchase the good quality raw material.

Our WPC is a safe, environmentally responsible alternative new material which doesn't need painting and glue for its special manufacturing technique and characters.



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The main material bamboo/wood powder is scrap from decking factory or furnish factory, and another material is recycling plastic. It will save larger number of nature wood and reduce white pollution of using of plastic to protect environment.

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. The nature bamboo/wood powder is brought from professional factory and the plastic raw material is the I level recycling plastic which is brought from appointed factory in domestic.

Attention before installation:

Prior to installing of any form of decking, it is recommended that you check the local building codes for any special requirements or restrictions and make the floor dry, clean and leveled. Please ask professional builder to install.

G&S WPC 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 wood working tools maybe used to cut the board or keels. 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. 1 square meter needs about 24pcs standard stainless nails at most. Because our M decking has tongue at each side for fixing, the quantity of screws can be determined by builder.



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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.
(See pics as below)

Slightly slope the decking (5 mm per meter) away from the house to allow for water run-off. When installing a decking over a living space, proper flashing is essential.

Main parts

GSD02A01

1) Specification: (Width) 14.0cmx (Height) 2.5cmx (Length) which ever



2) Hollow joist : GSA10 Specification: 40MM(width)X30 (height) X(length) which ever



1) Steel screw: GSA08 : 40MM (long) *4MM (dia)



2) Cover side : GSA05 : 48MM(WIDEX48MM (HEIGHT) Xlength(which ever)



3) Connect



GSA09



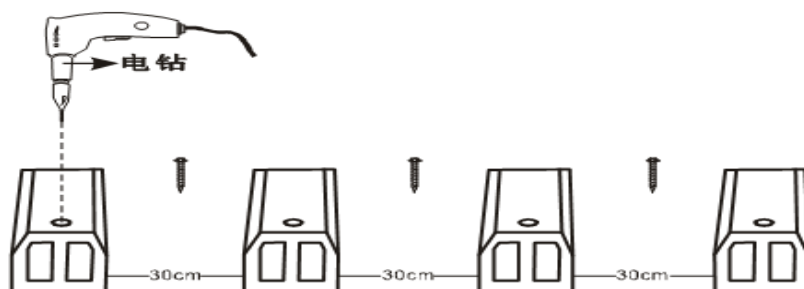
GSA01



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First step

Fix the hollow joist on the floor no far than 30cm and drill on the keel at the same place of expanding tube. Then fix the keel to the floor with screws. Please do not leave the nail/screw heads above the top surface; otherwise it will make the surface of WPC jagged. (See pic1)



Pic 1

Second Step: fix floor panel

Fix the stainless fitting A on the keel horizontally with 3X18mm screws, fix the below tongue of wall panel to the fitting and the up tongue to the keel with nails. **Please keep suitability distance between each to avoid expanse.** Side cover can be used to reinforce. (as the picture show)



Third Step Install with corner cover with stainless screw or copper nail. (See pic)





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Note: Periodic cleaning of G&S 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.

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 G&S decking will lighten over time and color variation are not covered under the warranty

Limited Warranty:

G&S 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.

Attention:

Wood Plastic Composites has many good features in outdoor usage, while it also has some shortages. 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 0086-0563-6989388 or email to gandsco@gmail.com

Website: www.wpcmaterial.com



G&S ENTERPRISES CO., LTD

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