CENTURY HOME LIVING DECKING INSTALLATION GUIDE

PRODUCT INFORMATION

Century Home Living is a new type of material made by mixing bamboo/wood powder with HDPE (High Density Polyethylene) and other chemical additives. The material is extruded from a unique high pressure/high temperature extruder in a specially designed mold. Century Home Living is a safe, environmentally responsible alternative material which does not need painting or glue for its special manufacturing technique and characteristics. It is an eco-friendly product. The main material, bamboo/wood powder is scrap from furniture factories, and the other material is recycled plastic. Containing natural fiber, Century Home Living products not only have a high degree of UV inhibitor but also contain weather resistant properties. Century Home Living has the characteristics that make it highly resistant to moisture, wood-boring insects, rot, cracking, and fade, so it can be widely used outdoors.

Save trees, save the forest ------ To protect our environment by starting to use Century Home Living Outdoor Products

Congratulations on the purchase of your composite decking product from InnoTech, LLC, the parent company of Century Home Living Outdoor Products.

The following installation and maintenance instructions will guarantee a long life for your deck project.

Storage
Please Store Century Home Living decking boards in their original packaging, preferably in a well-ventilated covered space.

Important points for installation

1. Slight color and surface differences may occur due to slight differences in raw materials or surface treatment. This ensures your decking will have a natural appearance.
2. It is advised to place the terrace sections in the required installation site for 72 hours before you start install to acclimatize them. Don’t install the terrace sections if the temperature is below 0℃.
3. We advise you to use original accessories and parts from Century Home Living. Proper spacing of at least 25mm between the ground and the substructure. In case of insufficient ventilation any guarantee will be invalidated. Direct contact between the terrace section and the ground will also invalidate our warranty and must be completely avoided.
4. Variations in temperature and moisture will result in expansion and contraction of the decking material. Sufficient distance allowing for expansion between the terrace sections, all around the terrace and by walls, will be necessary.
5. A strong and compacted base such as concrete or gravel is necessary.
6. Before you start, be sure that there is a level base and that all weeds and debris have been removed. To prevent weeds growing, we advise laying root-stop fabric under the structure. Make sure the ground base is clean, dry, stable, solid and smooth – a slope of 2% will provide the correct water drainage.
7. Century Home Living is not suitable for closed and wet places with poor air ventilation or any environment with significant difference temperature change (such as sauna room).
8. The method of installation is very important to the product; improper installation may cause diminished durability or even damage to Century Home Living products. Check the material before installation. Report all damages and defects to the vendor before installation. Start of installation means the appearance and standards have been approved by the client. Trust a professional installer with the installation. It is suggested that more than two people working together during installing the terrace. Century Home Living decking should not be used for columns, beams, joists, support posts or other load bearing segments. Failure to follow instructions will void the warranty.
Main components:
Century Home Living decking board + standard clips + screws + starter clip

Components for choice:
L-shaped Side cover, I shape side cover

Tools recommended:
Electric drill + Screwdriver + Impact drill + Impact drill + Hammer

The substructure
We advise installing the terrace sections on a structure of Century Home Living support joists

Points for attention:
To ensure proper drainage, lay the substructure with a slight gradient of 1% to 1.5% away from the dwelling.
Keep the joists at least 30mm from the walls or other obstacles to allow for expansion of the Century Home Living products.

Procedure
For the hollow deck 23 to 25cm thickness, please laid the support joists at maximum 40cm between centers

PS: For a good foundation, lay concrete below the joists
On normal condition, you can lay the support joists floating on the base to allow for movement of the material by not fixing the joists to the base. If the terrace is not so big and you don’t want it movable, please fix the joist to the base by directly fixing the joist to the base by the use of the expansion screws.
If you plan to install the terrace sections diagonally on the support joists, be sure that the support joists are laid with crosscut ends next to one another and be sure that they overlap by at least 10cm.

Following are steps:
Just put the joist on the concrete stand OR

Fix by joist fitter (using expansion screws)

Install the first board by using starting clips.
Install decking boards with metal clips.

**Finishing**
You can finish the crosscut ends of the terrace sections neatly with the L-shaped corner plank; in that case you must drill holes in the underside of the terrace sections. If you do not drill these holes, then water or moisture cannot drain away and the guarantee for water damage is invalidated. The deck or joist must be always be at right angles to the base. L-shaped corner covers are also available for an attractive finish.

Fix the L-shaped corner cover against the wall and not to the terrace sections to allow for movement of the deck. To determine the right positions on the wall proceed as follows:
Lay the L-shaped corner cover on the terrace sections. Put a mark on the wall at the top edge of the L-shaped corner cover. Then remove the terrace sections from under the L-shaped corner cover and fix the L-shaped corner cover against the wall; be sure to leave sufficient space (at least 20mm) between the L-shaped corner cover and the terrace section.

**Attention points:**
An electric drill is a must for pre-drilling holes in Century Home Living decking bearers, decking and side covers. For short terrace lengths (less than 80cm) at least the three support joist are necessary. Make sure that the terrace sections extend by no more than 50mm over the support joists.
See illustration:
If the crosscut distance of the terrace is 800cm and the boards are 400cm long, so there will be a joint of two boards horizontally. Please remember to lay one joist under the end of each deck board, in point, make sure that the boards extend more than 50mm over the support joists.

Century Home Living products expansion rate is around 0.3% to 0.5% depends on weather conditions. Based on this expansion rate, there must always be a gap between two Century Home Living products. See examples below:

The distance of at least 30mm from walls or other obstacles to allow for expansion of the Century Home Living products is necessary at installation; at least 10mm between the cross cut ends is also necessary.

If you are using terrace sections with a length of 400cm, the distance between the crosscut ends must be at least 15mm.

Century Home Living Outdoor Decking offers stainless steel starter clips/starters for the first decking board installation. For this, fix the entire starting clip on the joist on line, and then push the first terrace deck board to the starting clip to install.

Important: when fixing the starting clips or the connecting clips, pre-drilling with a 2.5mm bit is necessary to prevent cracking or breaking the sub structure because Century Home Living products have high density which does not allow direct nailing or screws.

**Maintenance**

The terrace can be cleaned with a brush/sand paper, or with a water pressure washer. If you clean the terrace with a high pressure washer, you must keep a distance of at least 30cm from the terrace sections. If necessary, you can use a mild soap. Make sure that the detergent doesn’t attack plastic. Following is some recommendations in details:

1. **Water stains**
   - There will be some water stains on the surface of the newly installed terrace when the water evaporates after rain. It is temporary phenomenon which will disappear in about 1-2 months by itself. It can be cleaned by wiping the surface with steel wool.

2. **Mud, dust, etc.**
   - Clean decking to remove dirt by using hot water with soap. Sand it with stiff bristle if needed.

3. **Scratches, oil stains, alcohol stains, cigarette and other stains which are hard to remove from the surface**
   - Use steel wool or sandpaper to carefully try to remove the stain. Then sand surface and clean with hot water with soap.

**Claims:**

The claims are exclusively and unconditionally only for production faults of the material. Claims cannot be made for material on which product faults are visible that has already been used, machined and/or processed. Claims never apply to unauthorized use or incorrect application of the material. Seller will offer the new material to
replace defective products only, and not be liable for cost related such as installation costs, transportation and delivery costs, or time and labor. All typesetting and printing errors reserved.