

DECK PLANK INSTALLATION PROCEDURE

ZomeTek bamboo composite decking is made by mixing natural bamboo fibers with recycled HDPE plastic and additives to prevent mold and mildew. This construction-grade material is a strong, durable and moisture-resistant composite, engineered to endure abuse of all types including rain, rot, snow, sand and heavy traffic – all while looking great with its natural-wood appearance that requires minimal maintenance. ZomeTek cuts, mills and routes just like solid wood. We recommend using a 60-tooth carbide tipped blade. Following these simple installation and maintenance guidelines will allow you to sit back and enjoy your new deck. Please read these instructions completely before installing your new deck.

Like most composites, ZomeTek boards may have slight color variations from piece to piece. This is due to naturally occurring variations in bamboo fibers and HDPE. Purchasing all required decking material at one time is recommended as manufacturing runs can produce slightly different colors. DO NOT INSTALL IF COLOR VARIATION IS NOT ACCEPTABLE.

CAMO® is an approved installation method. Follow the manufacturer's instructions.

SAFETY FIRST

Always protect yourself when using power tools. Use of protective eyewear is highly recommended.

TOOLS REQUIRED FOR HIDDEN FASTENER INSTALLATION

Circular Saw or Miter Saw with 60-tooth carbide tipped blade
 Table Saw
 Power Drill or Impact Driver
 1/8" Drill Bit
 #8 x 1-1/4" Flat Head Exterior Grade Deck or Stainless
 Screws
 3" Deck Screws
 #2 Philips Head Screw Bit
 3" Composite Deck Screws with Torx head*
 ZomeTek Installation Clips
 1/4" Spacer
 Pencil
 Tape Measure
 Multiple pieces of approx. 12" Long 2x4's
 Rubber Mallet
 *color matched to decking material

TOOLS REQUIRED FOR STAIR PLANK & xBEAM INSTALLATION

Circular Saw or Miter Saw with 60-tooth carbide tipped blade
 Table Saw
 Power Drill or Impact Driver
 1/8" Drill Bit
 3" Deck Screws
 #2 Philips Head Screw Bit
 3" Composite Deck Screws with Torx head*
 1/4" Spacer
 Pencil
 Tape Measure
 Multiple pieces of approx. 12" Long 2x4's
 Rubber Mallet
 *color matched to decking material

PRE-INSTALLATION INSPECTION

Before installing any deck planks, make sure that the new or existing deck framework is structurally sound and meets local building codes. The joists must be a maximum of 16" on center. Proper space/slope for drainage must be maintained. xBEAM Deck Planks can be installed by either face-screwing or blind screwed/clip installation. iBEAM Deck Planks can be installed using only blind screwed/clip installation.

MINIMUM END TO END GAP

All materials expand and contract as temperatures rise and fall. This chart will help to insure that your ZomeTek installation is a success. Leave the appropriate gap between planks, as indicated below, depending on the length of your planks and the temperature at time of installation.

Plank Length	Below 40°F		40°F to 70°F		Above 70°F	
	End Butt	Abutting	End Butt	Abutting	End Butt	Abutting
12'	1/8"	1/4"	1/8"	3/16"	1/8"	1/8"
16'	3/16"	3/8"	3/16"	1/4"	1/8"	1/8"
20'	1/4"	1/2"	1/4"	3/16"	1/8"	1/8"

PLEASE NOTE: When installing in extreme situations, please consult technical department before installation. When installation area exceeds 20', shorter planks will show less movement. We recommend that you do not install below 32°F or above 100°F.

INSTALLATION OF FIRST PLANK

If starting install against an existing structure, place 1/4" spacers along the back edge and end of the plank. Butt plank snug to the spacers. Place installation clip into the groove of the first plank and attach the clip the joist using a 1" to 1½" deck exterior grade or stainless screw. After each joist has a fastener attached, remove the 1/4" spacers. Pre-drill 1" in from the back of the plank and end of the plank at each joist using a 1/8" drill bit. Using composite deck screws, attach the plank to the joists through the top of the plank, making sure that the screws sit flush or slightly below the plank's surface.

Continue installing clips to each joist along the plank. If starting install against outer edge of deck, attach end clips along outer edge, leaving space for expansion against fascia board. Install planks into end clips and install installation clips on opposite edge for next row.

INSTALLATION OF ADDITIONAL BOARDS

Place additional rows of planks into the clips from the previous rows. If the fit is tight, lightly tap the plank into place using a lightweight rubber mallet to maintain equal spacing. Place installation clip into the groove of the plank and attach the clip the joist using a 1" to 1½" deck or stainless screw. Continue installing clips to each joist along the plank.

To install xBEAM Deck Planks using the face screwing method, attach planks using two [2] composite deck screws to each joist. Space each row of Deck Planks using 1/4" spacers. Do not screw ends of planks closer than 1" to ends of planks.

BUTTING A SEAM

Attach a 12" 2x4 to the side of the existing joist using (4) 3" deck screws, making sure that the top of the 2x4 is flush to the joist.

The seam of the planks should lie between the joist and 2x4, with the appropriate expansion gap*. Install two clips into previous row where the end butts of the seam will be. After seamed planks are installed, be sure to install two more clips at the end of each plank at the seam.

INSTALLATION OF LAST PLANK

It may be necessary to trim the last plank lengthwise (rip) to allow for a expansion gap*.

Place last plank into the clips from the previous row. With a 1/8" expansion gap*, pre-drill 1" in from the back of the plank and end of the plank at each joist using a 1/8" drill bit. Using composite deck screws, attach the plank to the joists through the top of the plank, making sure that the screws sit flush or slightly below the plank's surface.

INSTALLATION OF FASCIA

Attach fascia to the rim joist using 3 screws spaced no further apart than 16" on-center. Fasten the fascia from one end to the other or from the center out to each end. Never fasten the fascia from both ends to the center. Leave a 1/8" space between the fascia ends where two pieces meet or wherever a piece meets a solid surface (i.e., a corner or a building wall) to allow for expansion of the material.

INSTALLATION OVER ROOF MEMBRANE

In the case of installation over a torched-down or PVC membrane roof. Roof membrane must always be installed and used in accordance with manufacturer's specifications. Most membrane manufacturers require a sacrificial layer between their membrane and anything on top of it. For example IB Roofing and Durolast recommend a 40mil HDPE Abrasion Sheet between their membrane and our deck tiles. It is strongly recommended that whichever membrane system is used, consumers and contractors choose a more durable 80mil version rather than a standard 50mil product. ZomeTek does not warranty any leaks or issues associated with the roofing membrane system.

CLEANING

A thorough cleaning of the decking after installation is necessary. Please refer to our ZomeTek Maintenance guide for recommended cleaners. During the first 90 days after installation, some water marks may be left on the surface. This is a normal occurrence and will go away after a normal weathering period.

***Note on Expansion Gaps:** For appropriate expansion gaps to use in your installation, please refer to the Resources link at www.ZomeTek.com