



SURESTONE® COMPOSITE DECKING INSTALLATION GUIDE

Items you will need

- Safety glasses
- Pencil or pen
- Tape measure
- Utility knife
- Jigsaw
- Carpenter square (speed square)
- Power screw gun or drill
- Soft mallet
- Portable power saw
- Fine-tooth saw blades (40-tooth minimum, sharp carbide-tipped wood or finish/trim blades)
- Large file or medium-grit sandpaper
- Chalk line
- Spacing tools
- Fastener-specific tools recommended by manufacturer
- 3/16" Drill bit

Each DecoRators Voyage, Summit, Vault, and Excursion board has a unique appearance and should be arranged according to the end user's preference. Prior to construction, check with your local regulatory agency's code requirements. For best results, follow all installation instructions, paying close attention to gapping, spacing and fastener requirements.

Joist spacing requirements

Installation style

	Standard	Picture frame	Diagonal (45°)
Residential	16"	16"	12"
Commercial	12"	12"	12"

Note: All dimensions are on-center.

Note: Joist spacing, stair stringer spacing and fastener requirements remain the same for all Mineral-Based Composite deck board widths (3.5", 5.5", 7.25", and 9.25").

Gapping requirements

Installation temperature

	Above 32° F (0° C)	Below 32° F (0° C)
Side-to-Side	1/8"	3/16"
End-to-End	1/16"	1/8"
End-to-Side	1/16"	1/8"
Abutting Solid Objects	1/8"	1/4"

1X6-16' GR. DKR.



End Tag

Note: Always follow best workmanship practices. Including, but not limited to, square cutting both board ends prior to installation.



VAULT DECKING

Storage

Keep covered prior to installation.

Installation

- All boards must be spaced properly to allow for expansion and contraction. Refer to complete installation instructions for details.
- Space all decking material 1/4" away from any permanent structure or joint.
- Use minimum 2-1/2" corrosion-resistant, reverse thread, coated composite decking fasteners.

Joist Spacing

- 16" on-center for installation perpendicular to the joist.
- 12" on-center for installation diagonal to the joist.

Visit DecoRators.com for complete installation instructions, warranty and care and cleaning information. DecoRators is a registered trademark of DecoRators, Inc., in the U.S. and other countries. ©2015 DecoRators, Inc. All rights reserved.

Rangement

Conservez couvert avant l'installation.

Installation

- Toutes les planches doivent être espacées correctement pour permettre la dilatation et la contraction. Consultez les directives d'installation complètes pour obtenir les détails.
- Espacer tout le matériau de terrasse de 6,4 mm (1/4 po) de toute structure permanente ou de tout joint.
- Utiliser des attaches de terrasse en composite enduit, à filetage inversé, résistantes à la corrosion de au moins 2-1/2 po.

Espacement des solives

- Espacement des solives de 16 po (41 cm) entre axes pour l'installation perpendiculaire aux solives.
- Espacement des solives de 12 po (31 cm) entre axes pour l'installation diagonale aux solives.

Visitez DecoRators.com pour les instructions complètes d'installation, garantie et l'entretien.

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Almacenamiento

Manténgase cubierto antes de ser instalado.

Instalación

- Todas las tablas deben distribuirse de forma adecuada para permitir la expansión y contracción. Refiérase a las instrucciones para la instalación completa para detalles.
- Espaciado entre el material para terraza a 1/4" (6,4 mm) de distancia de cualquier estructura permanente o jointo.
- Utilice como mínimo tornillos para piso de terraza de 2-1/2 pulgadas, resistentes a la corrosión, con cabeza hueca y con empalme.

Espaciado de las vigas

- Espaciado de la viga 16 in (41 cm) en el centro para la instalación perpendicular a la viga.
- Espaciado de la viga 12 in (31 cm) en el centro para la instalación diagonal a la viga.

Visite DecoRators.com para instrucciones completas de instalación, información de la garantía y el cuidado y limpieza.

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Cutting

- 10" 40T - 80T circular blade (Carbide)
- 12" 40T - 80T circular blade (Carbide)

For Mineral-Based Composite Decking:

- Use a sharp utility knife or jigsaw to finish cuts where a circular saw cannot fully complete cut. (Marking on the back side when needed.)
- Use a jigsaw to cut openings for protrusions. (8-12T per inch on the blade.)
- If necessary, use a large file or medium-grit sandpaper to clean cut edges.
- Use utility knife to cut any fibers or strands.

(In the rare event that a strand or fiber protrudes from the board, do not pull it.) If you are using a painted blade, you can remove the paint residue with medium grit sandpaper.

Fastener requirements

- Corrosion-resistant, galvanized or stainless steel fasteners
- Reverse-thread composite screw
- Minimum of 2-1/2" long screws
- 1-1/4" minimum penetration into joist

- Set power driver such that screws are slightly counter sunk. Do not overdrive.
- If using a hidden fastener system, use the manufacturer's recommended fastener and follow the manufacturer's instructions.

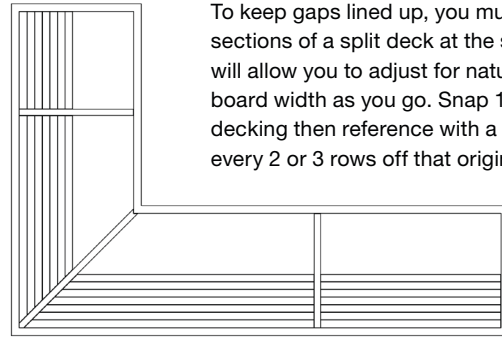
Installation

- Two fasteners per joist minimum.
- Ends of each board must fall on a joist.
- Double joist or use blocking where two board ends meet (fig.1).
- 1" maximum cantilever.
- Install entire deck at same temperature.
- Install the deck boards starting from the outside edge of the platform and work toward anchor wall so that ripped pieces abut the wall. Start installing from one end of the board and work toward the other end of the board or start installing from the center of the board and work out toward the ends of the board. Do not install by fastening each end first and working toward the middle.
- To keep the interior boards from moving over time, pin the boards at the center of their length using a #8, 2" stainless steel screw. This holds the deck board in place at the center of each board and allows the decking to expand/contract at the ends. Pre-drill in the groove of the deck board with an 3/16" drill bit (fig. 2a). Drive screw into the groove so it's flush with the bottom of the groove (fig. 2b). This will allow you to properly fit a Stowaway hidden fastener into the groove.
- Continue installing deck boards, adhering to the gapping requirements. Ensure consistent appearance by aligning each plank so that the cathedrals of the emboss pattern point in the same direction.

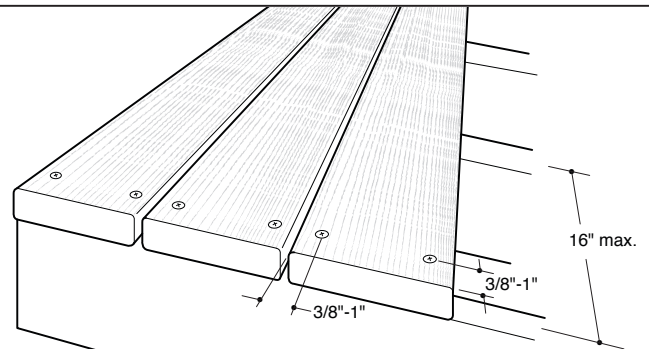
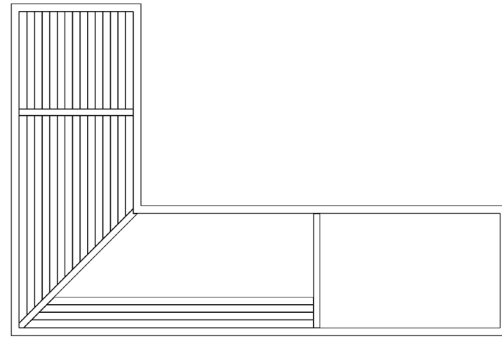
NOTE: Cutting all ends of boards prior to installation recommended.

Stair installation

- Stairs must be constructed according to national and local building codes. Generally, building codes require 3' minimum wide treads and 11" minimum tread depth.
- 9" maximum center-to-center spacing of stringers is required.

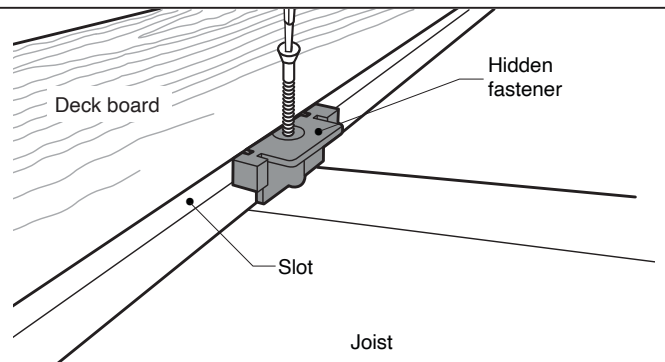


To keep gaps lined up, you must build all sections of a split deck at the same time. This will allow you to adjust for natural variation in board width as you go. Snap 1 line to start the decking then reference with a measurement every 2 or 3 rows off that original line.



Face screw installation

- Use reverse-threaded composite deck screws.
- Screws must be 3/8" to 1" from side of board, 3/8" to 1" from end of board.
- Use color-matched screws for best results.
- Use caution not to overdrive screw.



Hidden fastener installation

- Please refer to the compatible fastener information on Deckorators.com/FastenerInfo.
- Fastener slots may be routed into the side of the deck boards, as needed.
- Follow hidden fastener manufacturer's instructions.

- Stair treads should be fastened over a minimum of 5 stringers to meet code requirements.
- 1/2" maximum tread overhang over stringers.
- 1/8" minimum gap between stair-tread boards. Local building codes may require the gap to be increased to 1/4" - 3/8" in order to maintain the minimum tread depth.

Color variation

Like most composites, Deckorators Decking will have color variations from piece to piece. This is due to naturally occurring variations in polymers. 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.

Mold and mildew growth

Mold and mildew can be a nuisance on any exterior building surface, regardless of the material. If the conditions are right, they will grow on wood, plastic, concrete, metal, and other surfaces. Mold formation is most prevalent in consistently wet, shaded areas. Spores from the natural environment are carried by the wind and commonly land on decks surfaces. It is important to note that the appearance of mold/mildew is a function of nature, not necessarily a deficiency with any of the material on which it grows.

Cleaning

Periodic washing with soap/mild detergent and water will help remove surface dirt. This will also help prevent the buildup of pollen, debris and spores that can cause and accelerate mold/mildew growth.

Caution: A pressure washer must not be used to "blast" mold/mildew or soils from a deck surface. The abrasive nature of the water stream can potentially cause damage by driving the spores deeper into the material, which may create a more challenging problem to remedy. A pressure washer with a fan-tipped nozzle must only be used to lightly wet or rinse wood or composite deck surfaces.

There are many deck wash and exterior cleaning products available at retail. Only use cleaners intended for your application. Instructions provided by the manufacturer must be followed. Some cleaning products and inhibitors may be more effective than others, depending on the environmental conditions your deck is subjected to. Additionally, it is always a good idea to test the cleaner in a small, inconspicuous area prior to applying it to the entire deck (www.deckorators.com).

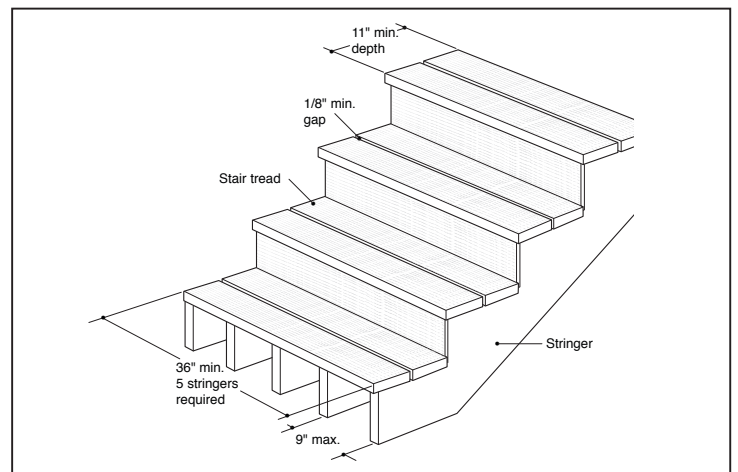
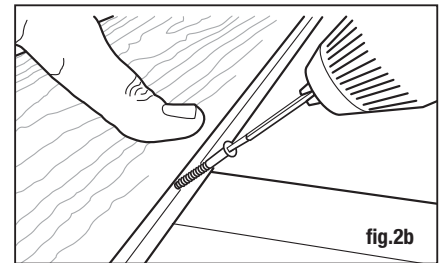
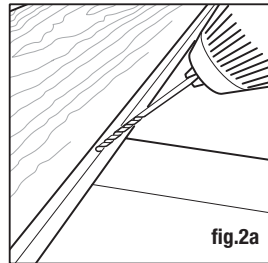
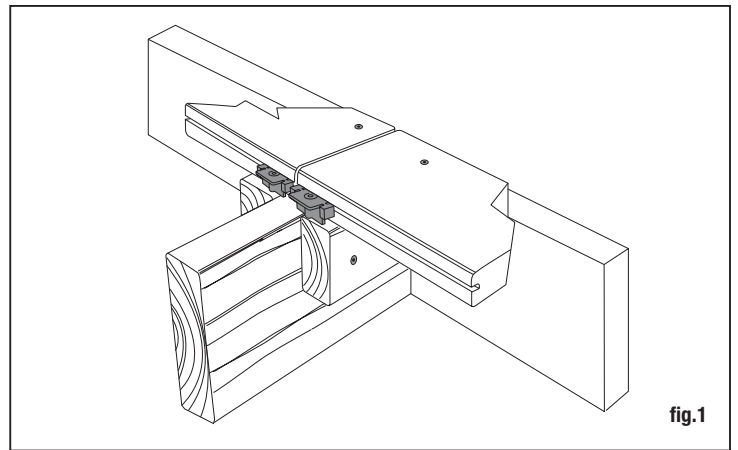
Tips for snow removal: Care should be taken when removing snow from your deck to avoid damaging the deck surface. Use a plastic snow shovel, one without a metal edge. A stiff push broom can work very well and minimizes lifting. Light snow can be cleared using a leaf blower. Do not attempt to break up or scrape ice from the deck surface; use ice melt products when needed. No concerns have been reported using ice melt products labeled "Safe for Pets".

Mold inhibitors

As with deck washes, there are several mold-inhibitor products available from paint stores, hardware stores, online outlets, and home centers to help prevent long-term mold/mildew growth. For any product selected, be certain to read, understand, and follow all instructions provided by the manufacturer. Depending upon the environmental factors affecting your deck, some preventive cleaning products may be more effective than others. It may be necessary to try more than one product. For ongoing preventive maintenance, follow the manufacturer's recommendation.

Handling

- **Use proper equipment:** Use a professional forklift for large loads and wear appropriate safety gear when handling.
- **Have enough help:** Two people are recommended to move the boards due to their weight and length.
- **Lift, don't drag:** Do not drag or slide the boards, especially when stacking them, to prevent scratching and damage.
- **Keep protected:** Leave protective wraps on the boards during storage and handling to protect them from scratches and construction dust.



Storage

- **Find a good location:** Store the decking in a dry, well-ventilated, and covered area to protect it from moisture, sun, and extreme temperatures.
- **Use a level surface:** Store boards flat on a level, hard surface. Avoid storing directly on the ground, grass, or uneven surfaces.
- **Elevate the boards:** Place boards on pallets or wood blocks to keep them elevated off the ground and allow for air circulation.
- **Support the boards:** Place supports or dunnage every 300mm along the length of the boards to prevent sagging and warping.
- **Cover the boards:** If stored outside, cover the pile with a breathable, heavy-duty outdoor tarp to protect it from the elements while still allowing air to circulate.

Installation procedures

- **Wear proper PPE:** Always wear safety glasses, gloves, and a dust mask when cutting or handling the material to protect yourself from dust and debris. Long sleeves and pants are also recommended.
- **Use correct tools:** Use a fine-tooth saw blade (preferably carbide-tipped) for cutting to get clean cuts and reduce dust. Use the right screws specifically designed for composite decking to prevent damage and mushrooming.
- **Ensure proper ventilation:** If cutting indoors, ensure good ventilation to prevent the buildup of dust and fumes.
- **Maintain a safe worksite:** Be cautious when working on elevated surfaces and follow all standard construction safety practices.
- **Wash hands after work:** Wash your hands after construction work to remove any dust or debris

Preparation and installation

- **Acclimate the boards:** Let the composite boards acclimate to your local temperature and conditions for at least 24 hours before installation.
- **Check building codes:** Before starting, check with your local building department to ensure you meet all codes and requirements.
- **Inspect the substructure:** Examine the existing joists and substructure for any signs of rot, mold, or damage. Make necessary repairs before installing the new decking.
- **Maintain proper spacing:** Leave expansion gaps between boards as recommended by the manufacturer to allow for temperature fluctuations and prevent buckling.
- **Consider a protective barrier:** If using a fire pit, use a protective thermal barrier and check with the manufacturer to ensure it is compatible with composite decking.
- **Use the right fasteners:** Test your screws on a scrap piece to ensure they do not “mushroom” (cause a bulge on the surface of the board).
- **Handle waste properly:** Dispose of waste materials according to local regulations.

Post-installation safety

- **Regularly inspect:** Periodically inspect the deck for any signs of wear, damage, or safety issues, and address them promptly.
- **Be mindful of weight limits:** Be aware of weight limits and do not place excessive loads on the deck.
- **Prevent slips:** Ensure the decking meets slip-resistance standards, especially in wet conditions.

Note: Deckorators is not suitable for structural use. It must not be used for primary load-bearing members such as posts, joists, beams, or stringers. The same commonsense precautions should be taken when handling Deckorators as with wood or other building materials. Dust masks and eye protection devices are recommended to avoid possible irritation from sawdust and chips. Gloves will help protect hands. Hands should be washed after construction work.

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