

Product Information and Installation Guide



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Product Composition:

High Density Polyethylene (HDPE) resin and a proprietary blend of additives including pigments, UV inhibitors, and AO stabilizers.

Product Features and Benefits:

- Highest Live Load Capacity Ratings in the industry
 - Our 5/4x6" board supports 120 lbs/SqFt at 24" O.C.
 - Requires less understructure
- Heat Reflective
 - Reduces our boards surface temperatures by 30 percent
 - New Barefoot colors stay cool for bare feet
- 8 vibrant colors in a bold wood grain, slip-resistant finish:
 - Cool Gray, Sand, Cedar, Weatherwood, Saddle, White, Barefoot Grey, Barefoot Sand
 - Maximum color retention with 25-year UV package
- 25-year Commercial Warranty and Lifetime Residential Warranty
- Custom cut-to-order program reduces waste, cost and labor
- Available in up to 28 ft. lengths (industry exclusive)
- Minimal thermal expansion & contraction
 - Maximum of 1/32" on a 20' board
- Easy to maintain
 - Clean with soap and water or a pressure cleaner at a safe distance
- Weatherproof and Waterproof
 - Withstands harsh heat, hurricanes and saltwater
- Rated for ground contact and underwater installation
- No mold or mildew
- Easy for builders to use
 - Rip, edge and route our product
 - Core color matches skin



Decking Profiles:

Standard Deck Board 5/4x6"

Actual Dimensions: 1.05x5.5"

Standard Lengths: 12' 16' 20'

Custom Lengths: Up to 28'

Woodgrain: One Side

Colors Available: All

Standard Deck Board 5/4x8"

Actual Dimensions: 1.05x7.25"

Standard Lengths: 12' 16' 20'

Custom Lengths: Up to 28'

Woodgrain: One Side

Colors Available: All

Standard Deck Board 2x6"

Actual Dimensions: 1.35x5.5"

Standard Lengths: 12' 16' 20'

Custom Lengths: Up to 28'

Woodgrain: One Side

Colors Available: All



Standard Deck Board 2x4"

Actual Dimensions: 1.5x3.5"

Standard Lengths: 16' 20'

Custom Lengths: Not available

Woodgrain: Both Sides

Colors Available: All

Standard Deck Board 2x8"

Actual Dimensions: 1.5x7.25"

Standard Lengths: 12' 16' 20'

Custom Lengths: Not Available

Woodgrain: Both Sides

Colors Available: All colors at 12' and 16'. White, Cedar, and Saddle at 20'.

Standard Deck Board 2x10"

Actual Dimensions: 1.5x9.25"

Standard Lengths: 12' 20'

Custom Lengths: Not Available

Woodgrain: Both Sides

Colors Available: All colors at 12'. White, Cedar, and Saddle at 20'.

Standard Deck Board 1/2x6"

Actual Dimensions: 0.5x5.5"

Standard Lengths: 18'

Custom Lengths: Not Available

Woodgrain: Both Sides



Colors Available: All

Standard Deck Board 1/2x10"

Actual Dimensions: 0.5x9.5"

Standard Lengths: 12'

Custom Lengths: Not Available

Woodgrain: Both Sides

Colors Available: All

Custom Lengths:

Our Custom Cut-to-Order Program provides customers the opportunity to purchase custom length boards up to 28ft at no additional cost.

Reduce waste, labor, and time on the job.

Profiles offered: 5/4x6", 5/4x8", and 2x6"

Minimum: 800 linear feet per cut.



Standard Decking Bundle: Sizes and Weights

Use these standard bundle quantities and weights for calculating truckloads. Truckload orders are approximately 44,000lbs or at least 18-21 pallets. Use weights for orders of standard lengths and weight per foot to calculate total weights for Custom Cut to Length Program orders. If you need 12 or 20' lengths, it is possible to order full bundles.

Profile	PCS/Bundle	12' wt per Bundle	16' wt per Bundle	20' wt per Bundle	Wt per Ft
5/4 X6"	64	1459 lbs	1946 lbs	2432 lbs	1.90 lbs
5/4 X8"	48	1475 lbs	1966 lbs	2458 lbs	2.56 lbs
2 X 4"	36	N/A	968 lbs	1210 lbs	1.68 lbs
2 X 6"	40	1162 lbs	1549 lbs	1936 lbs	2.42 lbs
2 X 8"	30	1296 lbs	1728 lbs	2160 lbs	3.60 lbs
2 X10"	25	1335 lbs	N/A	2225 lbs	4.60 lbs
1/2 X6"	64	Available in bundles of 18 ft @ 1037 lbs			0.90 lbs
1/2X10"	48	Available in bundles of 12 ft @ 979 lbs			1.60 lbs



BASIC INSTALLATION INFORMATION:

WearDeck Reinforced Polymeric Lumber in all profiles produces decking that easily exceeds generally accepted standards for application.

1. 5/4" decking spans 24 inches on center (O.C.) for deck and dock applications.

Live Load Capacity:

266 lbs./ft² at 16" O.C.

120 lbs./ft² at 24" O.C.

2. 2" x 6" decking spans 24 inches O.C. for deck and dock applications.

Live Load Capacity:

306 lbs./ft² at 24" O.C.

Joist Spacing:

WearDeck is designed to perform above accepted standards at the 24" on center spacing as indicated above. However, using the generally accepted decking joist spacing standards provides an installation far superior to any competitor. We recommend the installation guidelines below for exceptional performance.

5/4 x 6" joists spacing

16" on center

12" on center if installed diagonally. Commercial applications are generally a minimum of 12 inches on center

(Always refer to the overriding local building code requirements)

2 x 6" joists spacing



24" on center

16" on center if installed diagonally. Commercial applications are generally 16" on center, possibly 12" for straight commercial applications. (Always refer to the overriding local building code requirements)

For commercial applications, **ALWAYS** follow local municipal building code standards for ALL commercial installations, which generally require closer joist spacing by applicable code.

Check Your Joists:

- All joists must be level to each other in order to attain a proper quality installation. **This is responsibility of the homeowner, builder or contractor.**
- Joists may require blocking/bridging in order to maintain straight and level joists based on material used to construct deck. **This is the responsibility of the homeowner, builder or contractor.**
- For cantilevering; 5/4" x 6" maximum of 2" & 2 x 6" maximum of 4".
 - Provide a minimum of a 1/8" to 1/4" inch gap between exterior walls, pilings, posts, & retaining walls or any solid fixed structure when installing all decking. This is to accommodate any potential movement of main structures (walls, pilings, posts etc....) not the deck board.
 - WearDeck's unsurpassed strength & stability adds significantly to the structural stability of any deck or dock structure, when properly applied.
 - WearDeck has a directional grain pattern, which for appearance purposes ONLY is best applied with the 5 grain peaks on board face running in the same direction. Wood grain pattern repeats every 37.5 inches.

FASTENING & WORKABILITY:

WearDeck works well with a variety of fastening options listed below. We recommend building with Stainless Steel Composite Deck Screws. Stainless Steel Composite Deck Screws offer exceptional longevity and appearance as they capture surface material. Screws that are not designed specifically for



composite deck boards will not provide the best or proper appearance at the board's surface.

Examples of Acceptable Fasteners:

1. Starborn, Simpson Strong-Tie, Deckmate, TrapEase by Fasten Master, Tiger Claw, etc.
2. We recommend CAMO for excellent for drive tools and concealed fastening applications. As with use on any decking application, concealed fastening methods do not provide as strong of an application as face fastening.

Fastening Recommendations:

When face fastening a 5/4" board, use at a minimum, a #9 x 2 1/2" exterior rated composite type screw.

3. When face fastening a 2" board, use at a minimum, a #10 x 2 3/4
4. " exterior rated composite type screw.
5. Predrilling is NOT GENERALLY REQUIRED, however in the extreme cold of winter, testing to determine best method of application is recommended.
6. WearDeck can be installed with standard tools used for installing any wood deck or dock.
7. A **MINIMUM** of 2 fasteners should be placed from 1/2 to 1 inch from ends & edges of decking at a minimum of every 24 inches or every joist for proper standard decking applications. Your particular application may require a more fasteners based on needs of your structure. Applications for other than standard decking use, example 2x8s or 2x10s, may require special bolts or screws based on your particular application or structures needs.
8. 1/2" x 6" or 1/2" x 10" Fascia is designed for use as trim over a completely solid, level boardto board, surface. WearDeck Fascia is not designed to be used as decking, decking cap or any walkable wear surface or to span any distance without solid level board-to-board support.



When used properly, as designed for fascia or trim purposes, should be installed as indicated below:

- A. $\frac{1}{2}$ " x 6" should be fastened with a minimum of 2 screws every 12 inches starting at 1" from ends and edges of each board, allowing $\frac{1}{16}$ " inch gap between ends / butt joints of each board, screw should be at least a #8 x 1 $\frac{5}{8}$ " long. Example of cap capture screw would be; Deckmate #8 x 1 $\frac{5}{8}$ " T20 star drive composite
- B. $\frac{1}{2}$ " x 10" should be fastened with a minimum of 2 screws every 12 inches applied vertically starting at 1" from ends and edges of each board, allowing $\frac{1}{16}$ " inch gap between ends of each board, screw should be at least a #8 x 1 $\frac{5}{8}$ " inches long. Example of cap capture screw would be; Deckmate #8 x 1 $\frac{5}{8}$ " T20 star drive composite.
- C. Screws can be composite deck type screw with cap capture threads or standard style threads, cap capture style screws provide the best appearance.

*** MINIMUM requirements stated above but **Fastening & fastener decisions are entirely the responsibility of the homeowner, builder or contractor.**

DECK SPACING GUIDELINES:

WearDeck provides the most stable composite decking board on the market today. Because of our strenuous manufacturing standards, WearDeck outperforms any known product in the industry today, particularly in terms of thermal expansion and contraction tolerance during the extreme heat of summer or the extreme cold of winter.

Thermal Expansion = $\frac{1}{32}$ " in the length of a 20' $\frac{5}{4}$ x 6" or 2 x 6" deck board

This allows for generally unheard of spacing requirements:



- End to end spacing minimum of 1/16 inch.
- Side to side spacing minimum of 1/16 inch. *

*General building practices call for wider side to side spacing to allow for proper drainage, debris removal and/or air circulation, PLEASE consider these factors when installing any decking material. WearDeck is rated for ground contact and can be installed underwater.

FACE FASTENING GUIDELINES:

Even with WearDeck's superior characteristics we recommend using the most commonly accepted fastening methods. Use of a quality composite decking style screw is recommended for best performance and appearance.

1. Straight at 90° to deck board.
2. When face fastening place screws NO closer than ½ inch from the end and ½ inch from the side from side edge of deck board, using 2 screws at each joist connection. Builders most often find that installing screws approximately 1" from end and edges of boards provides a better look and overall optimal application.
3. A **MINIMUM** of 2 fasteners should be placed from ½ to 1 inch from ends & edges of decking at a minimum of every 24 inches or every joist for proper standard decking applications. Your particular application may require a more fasteners based on needs of your structure.
Applications for other than standard decking use, example 2x8s or 2x10s, may require special bolts or screws based on your particular structures needs.
4. MINIMUM requirements are stated but ALL **Fastening & fastener decisions are the responsibility of the homeowner, builder or contractor.**

CLEANING:

Generally keeping the decking surface rinsed to remove excess dirt and debris will keep surface in excellent condition. We recommend periodic cleaning for the best overall appearance.

1. Promptly clean any stain with a good household cleaner and a natural bristle brush.



2. However, if dirt is allowed to build up on the surface for a prolonged time tougher buildup may occur which could require extra effort to remove.
3. WearDeck has NO organic compounds so WearDeck will not support mildew or mold growth but if allowed to become and stay dirty the dirt, soil, debris will grow mold or mildew, requiring extra effort to clean. Again, standard cleaning practices will keep your WearDeck beautiful for years.
4. Cleaning solutions such as; DAWN dishwashing solution, 409, Simple Green, Fantastik, etc. should work well for general cleaning needs.
5. IF there is a grill on the deck, a non-rubber backed mat is recommended to protect against grease drops. If grease stains or any stain occurs they should be cleaned as soon as possible. The longer they remain the harder they are to remove from any surface / any product. DAWN dishwashing solution generally does an excellent job removing most grease stains.
6. Pressure Washing is **NOT RECOMMENDED**. However, if pressure washer is used always keep spray tip from 12 to 18 inches away from deck material with a wide fan spray setting at medium pressure. **NEVER** use a fine point spray setting when cleaning any plastic, composite or wood decking material, as fine point spray on a pressure washer can and will most often damage any decking material regardless of type.

RE-DECKING AN OLD DECK OR DOCK:

IMPORTANT: When re-decking an old deck or dock after removal of old surface material it is necessary that the remaining structure be properly inspected, re-nailed and/or re-screwed. Boards should be replaced where necessary before new decking can be installed on what then should be a secure deck structure that is very importantly, level board to board.

This is the responsibility of the homeowner, builder or contractor.

