

CrossTimbers Composite Decking General Application Instructions

Safety Considerations

Compliance with all applicable local, state and federal law remains the responsibility of the user. To ensure safe building practices, local building codes should be followed. Safety parameters should always be established when working with tools and other machines or equipment. Safety glasses and ear protection are recommended when working with Elk CrossTimbers products.

Handling

CrossTimbers products should be handled and stored like other wood or lumber products. Do not stack CrossTimbers products more than four skids high and always store on a flat surface with proper supports. The product should be protected from the weather prior to use.

This product should be discarded with normal construction debris. This product has a plastic content and therefore should not be burned.

Tools

Elk CrossTimbers is easy to work with and can be cut, routed, drilled or fastened with normal woodworking tools. Carbide-tip saw blades are recommended for improved results. This product may also be sanded, however a plastic belt is recommended to lengthen tool wear.

Painting/Staining & Exposure to Weather

Elk CrossTimbers is a low maintenance product. Paints and stains are not recommended because the product will not absorb them. They will tend to wear off rapidly in high traffic areas and will peel in certain other environmental conditions.

This product is designed to fade to its final color after a short period of exposure to the sun.

CrossTimbers Care and Cleaning

A normal deck will collect dirt and debris. To maintain the best appearance, a CrossTimbers deck should be cleaned each year. Typical household cleaners applied with a broom and rinsed with the garden hose should clean your deck. If the deck is not adequately cleaned by this method, a conventional deck cleaning or deck wash product may be used. Be sure to follow the cleaning product manufacturer's instructions and safety guidelines.

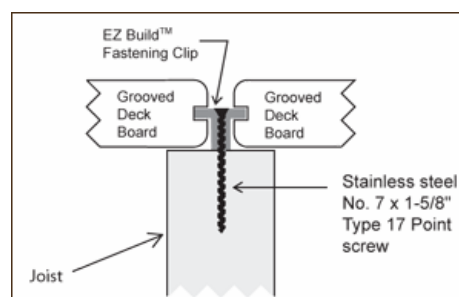
Note: Unless you have a mildew or mold staining problem, cleaning products based on Sodium hypochlorite (Chlorine bleach) are not recommended.

We do not recommend that you "spot clean" or clean only a section of the deck. You should clean the entire deck surface. Deck cleaning solutions may lighten the color of the deck, and cleaning the entire deck surface avoids the potential for color variation between the cleaned and uncleaned areas.

Pressure washing and steam cleaning are acceptable alternative methods for cleaning CrossTimbers products.

Fastening

We recommend using our E Z Build™ Fastening System, which uses pre-grooved decking boards, and an E Z Build Fastening Clip. These clips, and screws for use with the clips, are available from suppliers of Elk CrossTimbers Decking products. This concealed fastener system gives the deck a smooth, fastener free finish



When applying fasteners directly through the decking boards, predrilling is recommended to avoid “mushrooming” around screw heads. Due to the superior strength of CrossTimbers products, nailing is not recommended.

We recommend only galvanized or stainless steel trim head screws. Use a Number 7 x 1 5/8 inch*, Type 17 Point, 305 screw with a Number 1 Bit for use with the E Z Build fasteners or the same screw in a 2 ¼ inch* length is recommended for pre-drilling and screwing through the decking board. Using steel, dachronized or electroplated fasteners is not recommended. These products have a tendency to rust and cause stains on the decks under wet or humid conditions.

* These screw lengths are for a 1 x 6 deck board. Our 2 x 6 deck board may only be predrilled and requires a minimum screw length of 3 ½ inches.

Spacing Requirements

IMPORTANT: Always follow local building codes and never use CrossTimbers as a structural component.

CrossTimbers products, when used for decking, have a minimum amount of thermal expansion and contraction. Therefore, a space does not need to be left between the ends of the decking boards. We do however recommend that a small space of 1/8” or, whatever is required for the fastening system, be left between each parallel decking board for drainage purposes. A ¼” space should be left between the house and the deck board for the same purpose.

Recommended Joist Spacing for CrossTimbers

Product	Maximum Span Between Joists (Center to Center)			
	Residential Application		Commercial Application	
	Straight	Angled	Straight	Angled
1 x 6	24”	20”	16”	12”
2 x 6	28”	24”	20”	16”

CrossTimbers Technical Data Sheet

Typical Properties for CrossTimbers 1 x 6 Decking Board

Property	ASTM Test	Product Test Data	Units
Thermal Expansion/Contraction	D955	0.18	%
Tensile Strength @ Break	D638	2,850	Psi
Tensile Modulus	D638	893,000	Psi
Modulus of Elasticity	D790	713,000	Psi
Flexural Strength	D790	5,670	Psi
Notched Izod Impact	D256	0.4 (23.3)	ft-lbf/in (J/m)
Un-notched Izod Impact	D256	0.7 (40)	ft-lbf/in (J/m)
Screw Withdrawal	D1761	1,034	lbs/in
Water Absorption (24 hr. immersion)	D1037	0.1	%
Fungus Resistance	D1413	Rating = No Decay	N/A
Heat Distortion Temperature @264 psi	D648	209 (98)	°F (°C)