

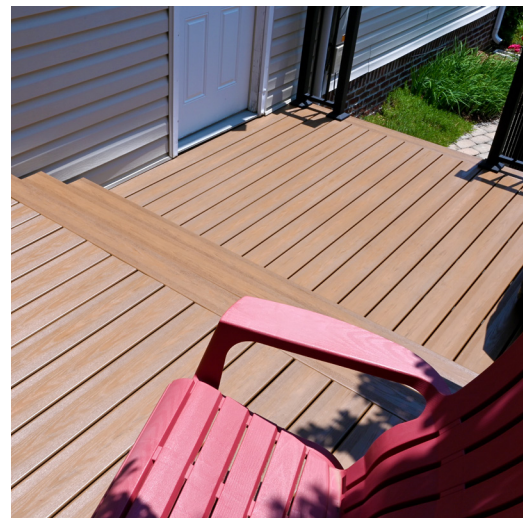


STRONGDEK

®

ULTRA HIGH PERFORMANCE
STRUCTURAL COMPOSITE DECKING SYSTEM

COMMERCIAL • RESIDENTIAL • DECKS • DOCKS • MARINAS • POOLS • MORE





Long-Term Durability
&
Low Maintenance

What is STRONGDEK®?

STRONGDEK® is a patented* ultra-high performance structural composite decking system that offers unmatched strength and long-term durability in an aesthetically pleasing and easy-to-install package with virtually no maintenance required. Each board measures 5.5" wide x 0.94" thick, the same nominal dimensions as traditional 5/4 wood decking and most standard composite decking.



A STRONGDEK board is made up of two components: a pultruded FRP plank and a snap-on hybrid composite top cap. The plank offers the board's structural strength, rigidity, and integrated hidden fastener grooves. The top cap offers aesthetic beauty, a non-slip surface, UV resistance, and an overall finished look for the system.

Each STRONGDEK board is lightweight (1.6 lbs/LF) yet outperforms 5/4 Southern Yellow Pine and high-end composite deck boards in nearly every performance category. This translates to a stronger overall deck surface capable of handling higher loads with standard 16" (or 24"+) joist spacing, even with boards installed on a diagonal.



*For all patent information, visit strongwell.com/patents

System Design

The STRONGDEK composite decking system is comprised of two main components:

TOP CAP

An extruded vinyl hybrid thermoplastic composite overlay that offers the system's finished surface appearance, UV performance, and slip resistance. Cap can be removed and replaced without harming the structure or affecting its safety.

Top Coat

- Aesthetics
- Cool Touch
- Slip Resistance
- Fade Resistance

Base

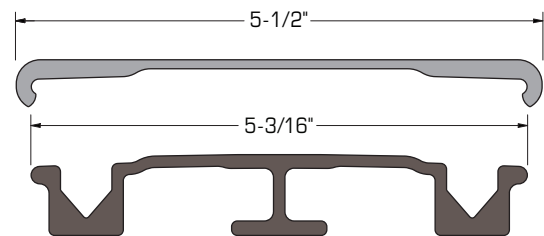
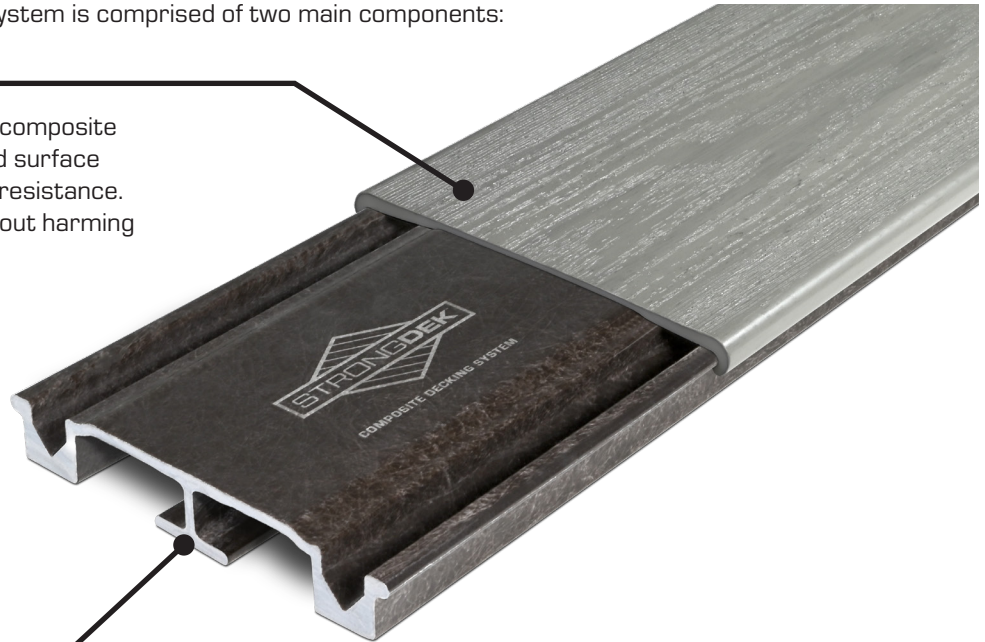
- Low Thermal Movement
- Rigidity
- Snap-On Hold Strength

DECK PLANK

A pultruded fiber-reinforced polymer (FRP) thermoset composite structural member that offers the system's strength and rigidity. Fastens to existing substrates using decking screws or similar fasteners.

Glass Fibers Encapsulated in UV Stable Resin

- Integrated Groove for Hidden Fasteners
- Structural Strength & Performance



Color Options

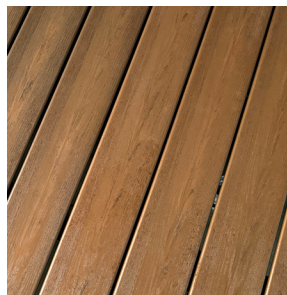
STRONGDEK composite decking system is available in these standard natural wood tones with realistic grain texture:



BEACHWOOD



SLATE



CHESTNUT

Colors are approximate and may appear different from what is shown above. Custom colors and finishes are also available. Contact us for more information.



Lighter yet stiffer
than wood and other
composite decking

How it Works

STRONGDEK can be installed on top of any existing substrate suitable for a deck. Components can be cut using traditional carpenter's tools fitted with a non-toothed diamond or carbide grit blade.



1. Cut plank and cap to desired length.



2. Fasten plank to substrate at each joist through the integrated grooves on the plank's edges.



3. Apply a small amount of construction adhesive on the plank, at the approximate center and at each end of where cap will be snapped on.



4. Hook one edge of cap over the edge of plank, then tap the other edge into place using a non-marring mallet.

See the STRONGDEK *Installation Guidelines* for more detailed information.

Maintenance

A deck built with STRONGDEK should require minimal maintenance. If your deck needs to be cleaned, use warm, soapy water and a soft bristle brush to remove dirt and debris, and rinse thoroughly with clean water. Pressure washing is not recommended.

Proudly Made in the USA

ALL COMPONENTS OF THE STRONGDEK STRUCTURAL COMPOSITE DECKING SYSTEM ARE PROUDLY MADE IN THE UNITED STATES OF AMERICA.



The deck plank is manufactured by Strongwell, who has been pultruding FRP in Bristol, VA, since 1956. Through the years, Strongwell has developed hundreds of proprietary and custom products for many markets throughout the world - all while providing jobs for hard-working Americans.

Material Comparison

	STRONGDEK	Wood	Wood Composite	PVC/Vinyl
 Rigidity	High	High	Low	Low
 Durability	High	Low	Medium	Medium
 Weatherability	Superior UV and Water Resistance High Mold & Mildew Resistance	Susceptible to UV and Water - coatings required to reduce warp, rot, and decay	Varies	Varies
 Maintenance & Cleaning	Low Maintenance No coatings necessary Cleans with Soap & Water	Hazardous or high-maintenance coatings or preservatives often required for longevity	Varies	Varies
 Color Change	Caps are available in multiple colors and can easily be replaced without removing the structure if a color change is desired	Requires stripping old finish and staining or painting	Requires painting/staining or complete replacement	Requires painting/staining or complete replacement
 Lifetime Impact	Low Long expected lifespan	Potentially environmentally harmful chemical coatings required Deforestation Short replacement cycle	Varies	Varies
 Water & Ground Contact	Yes Will not degrade from long term water or ground submersion	No Susceptible to rot from submersion in water or ground burial	Varies	Yes



STRONGDEK® is made exclusively by:



The World Leader in Pultrusion and
Pultruded Fiberglass Structures & Shapes



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