

3.0 Showcase Projects

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PRESIDENTIAL TRAIL AT MT. RUSHMORE
BLACK HILLS, SOUTH DAKOTA



PRESIDENTIAL TRAIL AT MT. RUSHMORE BLACK HILLS, SOUTH DAKOTA

Architect: *Galyardt Associates and Wyss Associates*
Contractor: *Marco Marine Construction*
Engineer: *Tim Harvey*
Installation Date: *September 1995*

The Challenge: To construct a walkway at the base of Mt. Rushmore that would be durable enough to withstand harsh Dakota winters, and the wear and tear of thousands of tourists. The walkway had to be slip-resistant and splinter-free for the safety of the visitors. Additionally, the Park Service wanted the project to be environmentally responsible.

Benefits of a Trex® Installation: *Trex Wood Polymer®* wears like the best hardwoods. Despite the fact that *Trex* lumber contains no chemical preservatives, it needs no coatings or protectants. It won't split, crack, warp or rot, even in the toughest weather conditions. It provides excellent traction - wet or dry. And *Trex* lumber is environmentally responsible - made primarily from reclaimed materials and contains no chemical preservatives.

Success of the Project: "We wanted to be sensitive to the environment while building a practical structure. And since I'm responsible for facility maintenance here, it's great that *Trex* lumber is weather-resistant and will not rot, splinter or crack," said Tim Harvey, the park's facility manager. Before the *Trex* walkway was installed, visitors had to view the mountain from a distance. Since the completion of the Presidential Trail, visitors can get closer than ever before to Mt. Rushmore.

Trex Wood Polymer is a smart choice for outdoor decking surfaces and walkways. Because of its composition, *Trex* lumber combines many of the best characteristics of both wood and plastic.

CHARACTERISTIC	TREX®	WOOD	PLASTIC
No coatings/weatherproofing needed	●	●	●
Does not splinter	●	●	●
No checking, cracking or warping	●	●	●
Undamaged by rot or termites	●	●	●
Little shrinkage/swelling from moisture	●	●	●
Made from reclaimed waste materials	●	●	●
Slip resistant (wet or dry)	●	●	●
National Building Code listing	●	●	●
Cuts, fastens, sands and paints easily	●	●	●
Low thermal expansion/contraction	●	●	●
Excellent paint/stain adhesion	●	●	●
Natural UV resistance	●	●	●
Available at thousands of lumber yards nationally	●	●	●

SPRING LAKE BOARDWALK
SPRING LAKE, NEW JERSEY



SPRING LAKE BOARDWALK

SPRING LAKE, NEW JERSEY

Architect: *Spring Lake Works Department*
Engineer: *Birdsall Engineering*
Installation Date: *Phase I May 1993, Phase II May 1997*

The Challenge: A section of the Spring Lake boardwalk was destroyed by a Nor’easter in the winter of 1992. The challenge was to build a durable, slip-resistant boardwalk that required less maintenance and would hold up under the harsh conditions of hot sun, salt water and severe winters. The original boardwalk was plagued with splinters, nail pops and high maintenance costs.

Benefits of a Trex® Installation: *Trex Wood Polymer®* lumber resists damage from sun, salt water and severe winter weather. *Trex* decking’s combination of wood and plastic guarantees that it won’t rot, split, splinter, warp or crack.

Success of the Project: Residents and visitors won’t have to worry about splinters or rotting boards on the *Trex* section of the boardwalk. “The reception to *Trex* decking among residents and visitors has been very positive,” said Thomas J. Byrne III, mayor of Spring Lake. The expense of replacing damaged boards has been greatly reduced, saving the town thousands of dollars. The town officials of Spring Lake were so pleased with the original one-mile installation, they again chose *Trex* decking four years later in 1997 when another half mile of the wooden boardwalk needed to be replaced.

Trex Wood Polymer lumber is the smart alternative to wood or plastic. Because of its composition, *Trex* decking combines many of the best characteristics of both wood and plastic lumber.

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Slip resistant (wet or dry)	●	●	●
National Building Code listing	●	●	●
Cuts, fastens, sands and paints easily	●	●	●
Low thermal expansion/contraction	●	●	●
Excellent paint/stain adhesion	●	●	●
Natural UV resistance	●	●	●
Available at thousands of lumber yards nationally	●	●	●

PLEASANT KINGDOM PLAYGROUND
PLEASANT HILL, PENNSYLVANIA



PLEASANT KINGDOM PLAYGROUND

PLEASANT HILL, PENNSYLVANIA

Architect: *Leathers & Associates*
Contractor: *Community Volunteers*
Engineer: *Project Chairman, Barbara Magotti*
Installation Date: *1992*

The Challenge: To build a community playground that would safely entertain children. The playground had to be splinter-free and require a minimum of maintenance. The material also had to be easy for volunteer workers to install, and flexible enough for use in curved sections.

Benefits of a Trex® Installation: *Trex Wood Polymer®* lumber will not warp, crack or check. It eliminates the hazard of splinters and the need for ongoing maintenance other than periodic cleaning. *Trex* lumber is as easy to work with as wood, in some ways even easier, which is a big help in projects like this where local volunteers perform the work. And because *Trex* lumber is more flexible than wood, it is ideal for customized features like curved elements. Also, the playground is handicap accessible. “The children will be able to transfer from wheelchairs to platforms without the possibility of splinters. The use of *Trex* lumber also means splinter-free handrail, and that is ideal for the visually impaired who rely on them,” said Nancy Swarr, handicap-accessibility consultant on the project.

Success of the Project: According to Robert Leathers, using *Trex Wood Polymer* was one way to make the playgrounds more user-friendly. “Children get more play value when they don’t have to worry about splinters,” he said. “We also rely on the community-built method as a cost saver for the town, and having the decking made of a material that won’t rot or deteriorate will save them over the long term.” Leathers & Associates now specifies *Trex* lumber to all the 100 to 125 playgrounds the company designs each year.

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RESIDENTIAL MARINA
MARCO ISLAND, FLORIDA



RESIDENTIAL MARINA

MARCO ISLAND, FLORIDA

Home Builder: *Marco Marine Construction*
Contractor: *Marco Marine Construction*
Installation Date: *September 1995*

The Challenge: To build a durable, attractive marina/dock that would stand up to constant exposure to sun and salt water, and provide a splinter-free, non-slip surface for bare feet.

Benefits of a Trex® Installation: *Trex Wood Polymer®* will not splinter, split, rot or warp. It requires no sanding, painting or staining, saving time and money on maintenance and repairs. And Trex decking offers excellent traction whether conditions are wet or dry.

Success of the Project: Marina owners who have used *Trex Wood Polymer* are pleased with its time and money saving benefits. And they like the fact that Trex lumber is available in Natural, which weathers to shades of driftwood grey to blend with the waterfront setting. Many more docks have been installed in waterfront communities due to this successful project.

Trex Wood Polymer lumber means less upkeep, more free time. Trex decking is made primarily with reclaimed plastic (mostly shopping bags and stretch film) and reclaimed wood fibers. This wood and plastic composition combines the natural good looks of wood with the durability of plastic. It won't crack, split, splinter, warp or rot; and it resists insects. Trex decking is great for many applications including marinas, landscaping, fencing, pool surrounds, boardwalks and walkways. It can be cut, drilled, fastened, and finished just like wood.

Trex decking is the smart choice for decking surfaces. Because of its composition, Trex decking combines many of the best characteristics of both wood and plastic.

CHARACTERISTIC	TREX®	WOOD	PLASTIC
No coatings/weatherproofing needed	●	●	●
Does not splinter	●	●	●
No checking, cracking or warping	●	●	●
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Cuts, fastens, sands and paints easily	●	●	●
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Excellent paint/stain adhesion	●	●	●
Natural UV resistance	●	●	●
Available at thousands of lumber yards nationally	●	●	●

RESIDENTIAL DECK
CHANTILLY, VIRGINIA



RESIDENTIAL DECK

CHANTILLY, VIRGINIA

Home Builder: *Renaissance Homes*
Contractor: *Sun-Tastic Decks, Inc.*
Installation Date: *May 1997*

When it comes to lasting beauty and easy care, homeowners have more choices with *Trex*[®]. *Trex* Company introduced Winchester Grey in 1997 to broaden the color options of *Trex* decking. Manufactured in shades of brown, Winchester Grey weathers to deep, rich shades of grey.

An excellent choice for an active family’s deck and for high-traffic areas, Winchester Grey’s rich shades are less apt to show dirt than a lighter color. And Winchester Grey was designed to complement many home exteriors.

Winchester Grey has proven to be a popular choice among homeowners. In consumer research, nearly two-thirds of the respondents thought Winchester Grey would be appropriate for a deck at their home. Within months of its introduction, Winchester Grey was chosen for premier residential and commercial building projects throughout the country.

Using *Trex* means less upkeep and more free time. *Trex* decking is made primarily with reclaimed plastic (mostly shopping bags and stretch film) and reclaimed wood fibers. This wood and plastic composition combines the natural good looks of wood with the durability of plastic. It never needs protective coatings and it’s splinter-free. It won’t crack, split, warp or rot; and it resists insects. *Trex* decking is great for many applications including marinas, landscaping, fencing, pool surrounds, boardwalks and walkways. It can be cut, drilled, fastened, and finished just like wood. Whichever color you select, *Trex* decking is the smart choice for decking surfaces. Because of its composition, *Trex* decking combines many of the best characteristics of both wood and plastic.

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