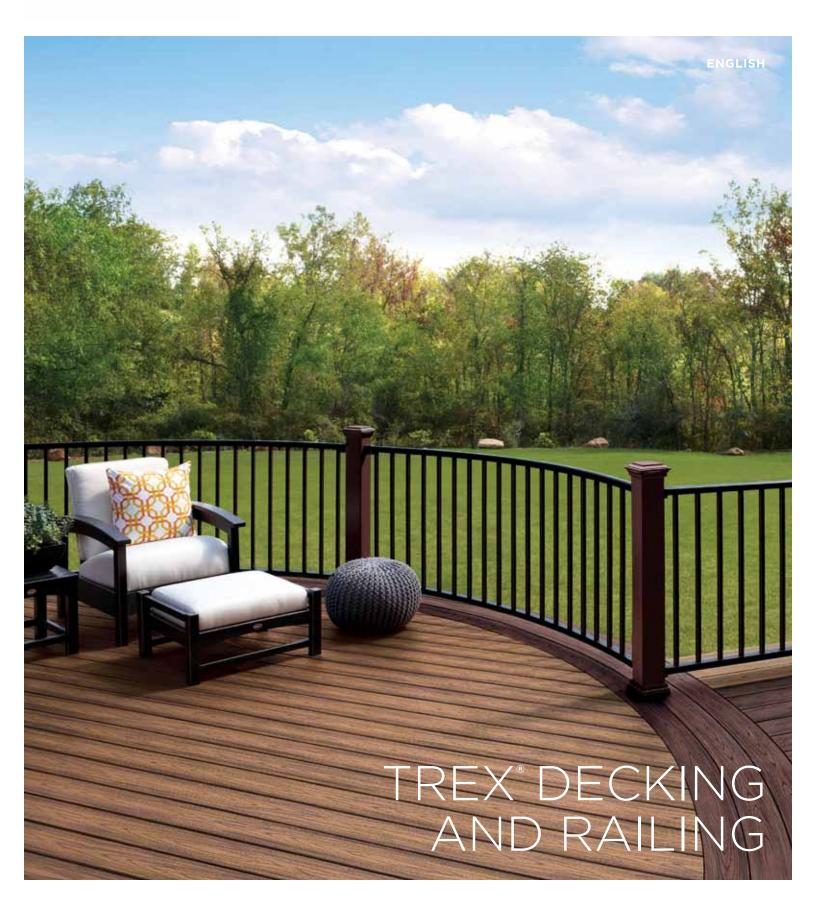


2017 INSTALLATION GUIDE



CHANGES FOR 2017 INSTALL GUIDE:

- » Page 5 Removed Trex Hideaway Universal Collated Clip System
- » Page 7 Renamed Reveal Railing Care and Cleaning Guide to Signature Railing Care and Cleaning Guide
- » Page 8 Removed Glossary of Terms page
- » Page 12 Added SKU page for Trex Lighting products
- » Page 21 Renamed Trex Reveal Post Cap Light to Signature Post Cap Light
- » Page 23 Renamed Trex Reveal Post Lamp to Trex Wedge Deck Rail Light
- » Page 26 Added SKU page for Decking and Hidden Fasteners
- » Page 33 Updated stair overhang from ½" to ¾"
- » Page 35 Added tip about using additional fastening method when using Trex Universal Fasteners in wide temperature range environments
- » Page 40 Updated Surface Mount Post Instructions to show revised picture of guide block
- » Page 44 Updated Joist Mount Post Instructions to clarify attachment methods and show revised picture of guide block
- » Page 53 Added SKU for Transcend, Signature (formally Reveal), and Select Railings
- » **Page 57** Updated Transcend Railing instructions to show the following:
 - Remove Colonial Baluster option
 - Added post choices
 - Added new footblock instructions
 - Added new 3-hole bracket instructions
 - Added additional details to Transcend Stair instructions
- » Page 73 Updated Reveal Railing instructions to show the following:
 - · Renamed to Signature Railing
 - · Added Signature Cocktail design
 - Added Signature Traditional design
 - · Added Signature Stair Cocktail design
 - Added Signature Stair Traditional design
- » Page 107 Renamed Reveal Panel to Signature Panel instructions
- » **Page 114** Updated Select Railing instructions to show the following:
 - Remove all square balusters
 - Added new bracket design
- » Page 129 Updated warranties

NEED HELP?

Trex provides a variety of valuable resources to answer your questions or concerns. For additional assistance, check out:

» Trex.com

Here you will find a wealth of useful information on Trex's extensive products including: installation, care and cleaning instructions and videos, technical help, and FAQs. You'll also find inspiring photos of deck projects, steps to help you plan and start your project, and tips for selecting the right deck builder. At **trex.com**, you can request information, register your warranty, and reach out to customer service representatives who can answer even more questions.

- » Call **1-800-BUY-TREX (1-800-289-8739)** and speak to a technical support representative who can answer your questions.
- » Email your question or concern to question@trex.com and we'll get back to you quickly.

Refer to **www.trex.com** for up-to-date installation and technical documents that may not be found in this printed guide.

This symbol indicates text continues to next page.

ON THE COVER

decking: Transcend in Tiki Torch & Lava Rock railing: Signature in Charcoal Black with Trex posts in Vintage Lantern

TREX INSTALLATION GUIDE

CONTENTS

SECTION ONE: General Information
Safety5
Tools5
Care and Cleaning6
SECTION TWO: Planning Ahead
Trex Decking9
Railing (Including ADA Handrail)9
Trex Lighting9
Trex® RainEscape® Drainage System9
Installing Hot Tubs, Planters, and Seating9
Installing Fireplaces and/or Fire Pits9
Installing a Pergola
Installing Trex® Spiral Stairs™
Installing Trex® Outdoor Kitchens™
Special Patterns10
SECTION THREE: Lighting
How to Install Trex [®] DeckLighting [™]
Outdoor Lighting SKUs
Parts List/Tools Needed
Lighting and Wiring Overview13
Helpful Tips13
General Information14
Planning14
Installing Wiring14
Making Connections14
Timer Operation Instructions
Installing Post Cap Lights15
Installing Deck Rail Lights15
Installing Riser Lights
Installing Recessed Deck Lights
How to Install Trex® LandscapeLighting™
Parts List/Tools Needed
Helpful Tips
How to Install Trex Well Light, Path Lights, and
Multifunction Lights
How to Install Trex Spotlight
How to Program Dimmer Remote
How to Install Signature® Post Cap Light
Parts List/Tools Needed21
Helpful Tips21
Installing Post Cap Lights21
How to Install Trex Wedge Deck Rail Light
Parts List/Tools Needed23
Helpful Tips23
Installing Post Lamps23
SECTION FOUR: Decking
Decking, Porch Flooring & Fascia SKUs
Decking and Fascia Recommended Fasteners27
Trex® Fascia Installation Recommendations
Framing and Fastening Tips
Rooftop and Sleeper Deck Systems
Code Compliance 31
Gapping and Overhang32

Stairs	. 33
How to Install Decking	
Tips for Installing a Trex Hideaway® Hidden Fastening	
System (Stainless Steel or Universal)	. 34
Installing Angled Deck Boards in Corners	
How to Butt Seams	
Routing Square Edged Boards	
How to Install Trex Hideaway Universal Hidden Fastene	
Parts List/Tools Needed	
Installing Start Clips and First Board	
Installing Universal Fasteners	
Installing Second Board	
Complete Installation	. 35
Installing Last Board	
Option 1: Using Fascia Board	. 35
Option 2: With Deck Board Overhang	. 36
Option 3: Face Screwing both Decking and Fascia	. 36
How to Install Trex Escapes® Boards with Trex	
Hideaway Universal Fasteners	. 36
How to Replace Trex Boards Installed with Trex	
Hideaway Universal Fasteners	. 36
How to Install Stair Treads	37
Option 1: Face Screw	37
Option 2: Using 2x4 Wood Support Blocks	37
How to Install Trex Transcend® Porch Floorboards	
Parts List/Tools Needed	. 38
Installing Start Clips and First Porch Board	. 38
Installing Trex Hideaway Universal Hidden Fasteners	. 38
Installing Second Porch Board	. 38
Installing Last Porch Board	. 39
Option 1: Using Fascia Board	. 39
Option 2: With Porch Board Overhang	
How to Install Porch Stair Treads	
Option 1: Hidden Fasteners and Face Screwing	
Option 2: Hidden Fasteners and 2x4 Foot Blocks	. 39
Location and Installation of Surface Mount	
Post - Decking	
Parts List/Tools and Materials Needed	.40
How to Install Post Mounts on Pressure-Treated	
Wood Framing	
Corner Post Installation	
Line Post Installation	
How to Install Guide Blocks	
How to Install Railing System of Choice	
Location and Installation of Post Mounts – Concrete	
Parts List/Tools Needed	
Pre-drill Holes	
How to Install Guide Blocks	
How to Install Railing System of Choice	. 43
How to Install Joist Mount Posts	
Parts List/Tools Needed	. 44
Inside Mount	
Front Rim Plate – Between Joists	
Front Rim Plate – Next to Joist	
Side Joist	
Joist Mount Post - Inside Mount/Continued	

TREX INSTALLATION GUIDE

CONTENTS/continued

Corner	47
Fascia Mount	
Front Rim Plate – Next to Joist	. 48
Side Joist – With Blocking	
Outside Frame Corner	. 50
Composite Post Applications	
Installation of Guide Blocks and Railing	51
SECTION FIVE: Railing	
Post Sleeves, Caps and Skirts SKUs	
Signature Post Sleeves, Caps and Skits SKUs	
Signature Aluminum Railing SKUs	
Transcend Railing SKUs	. 55
Select Railing SKUs	. 56
Aluminum Gates SKUs	. 56
Aluminum ADA Compliant Handrail SKUs	. 56
Trex Transcend® Railing	
Parts List/Determining Balusters Needed	57
Trex Transcend Railing Configurations	. 58
How to Install Standard Railing	
How to Install Cocktail Railing	
How to Install Traditional Railing	
How to Install Round or Square Aluminum	
Balusters	. 63
How to Install Standard Glass Panel Railing	
How to Install Cocktail Style Glass Panel Railing	
How to Install Traditional Style Glass Panel Railing	
How to Install On-An-Angle Railing	
How to Install Crown and Universal Bird's	. 00
Mouth Railing	69
How to Install Crown and Universal Stair Railing	
Trex Signature® (formerly Reveal®) Railing	. 70
Parts List/Determining Balusters Needed	73
Installing Signature Posts and/or Signature	/ 5
Crossover Posts on Decking or Concrete	7/
Installing Pressure-Treated Post, Post Sleeves,	/ -
and Skirts to Use with Reveal Railing	7/
9	
Installing Signature Posts on Concrete	
Bracket Hardware – Horizontal Applications	
· · ·	
How to Install Horizontal Railing How to Install Horizontal Swivel Brackets	
How to Install Horizontal Swivel Railing	
How to Install Signature Cocktail Railing	
How to Install Signature Traditional Railing	
How to Install Foot Blocks – Horizontal Railing	
Bracket Hardware – Stair Applications	
How to Install Signature Stair Posts and Stair Railing	. 92
Attaching Stair Brackets (Fixed Stair, Stair Swivel,	
and Compound Swivel) to Signature Posts and	
Pressure-Treated Posts and Post Sleeves	
How To Install Signature Cocktail Stair Railing	
How To Install Signature Traditional Stair Railing	
How to Install Aluminum Gate	105

Trex Signature Panels	
Parts List/Tools Needed	107
Bracket Hardware – Horizontal Applications	108
How to Install Panels	110
How to Install Foot Blocks	113
Trex Select® Railing	
Parts List/Determining Balusters Needed	114
Select Railing Configurations	115
How to Install Trex Select Railing	115
How to Install Cocktail Railing	118
How to Install Traditional Railing	119
How to Install On-Angle-Railing	120
How to Install Trex Select Stair Railing	121
Trex Aluminum ADA Compliant Handrail	
ADA Handrail Guidelines	124
ADA Railing Profiles	125
How to Install Trex Aluminum ADA Compliant	
Handrail	126
90° Wall Return	126
Wall Mount	126
Rail-to-Rail Connections/Internal Connector	126
Elbows (90°, 36°, 34°, 31°, 5°)	127
Handrail Return 180°	127
Corner Mount	127
SECTION SIX: Warranties	
Trex Transcend®, Trex Enhance®, Trex Select®, and Tr	ex®
Universal Fascia Limited Fade & Stain Warranty	129
Trex® Limited Warranty	131
Trex Signature®/Reveal® Railing Limited Warranty.	132
Color PaletteInside Bac	k Cover

SAFETY

When working on any construction project, you should wear protective clothing and safety equipment. Wear safety glasses, gloves, a dust mask and long sleeves, particularly when cutting in confined spaces.

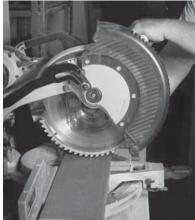
Trex decking and railing are heavier and more flexible than wood. **DO NOT** try to lift the same quantity of Trex boards as you would traditional lumber. Go to www.trex.com for Safety Data Sheets (SDS).

TOOLS

You can create intricate shapes, profiles, and patterns with Trex. Most installments require no special tools. For best results, use carbide-tipped blades and router bits.

When using a miter saw, we recommend using the Trex Blade™*. This comes in 3 different sizes and is ideal for cutting all our decking and railing products (these are not recommended for cutting Trex Elevations®). Refer to www.trex.com for more information.







Install Trex recommended fasteners with standard power drills or approved screw guns.

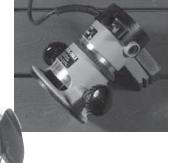


*Trex Blade™ is manufactured and sold by Freud Tools, Inc. under a Trademark License Agreement with Trex Company, Inc.

If your choice is to use the metal Trex Hideaway Hidden Fasteners, using the pneumatic gun by TigerClaw®* is a terrific option. This will allow for a quicker install time. Trex Gun Pail includes 900-count connector clips

and TC-SG collated pneumatic screws.

Trex routs beautifully to give extremely crisp edges. The groove cutter/router bit is used with the Trex Hideaway fastening system.





DO NOT rout balusters. Routing will change the surface of Trex products.

*Tiger Claw® is a registered trademark of Tiger Claw, Inc.

TREX TRANSCEND®, TREX ENHANCE®, AND TREX SELECT® CARE AND CLEANING GUIDE

All exterior building materials require cleaning. Generally, soap and water is all that is required to clean Transcend, Enhance, and Select products. *For further information, see below.*

PROBLEM	SOLUTION
Dirt and Debris	The affected area should be sprayed off with a hose to remove surface debris. Use warm soapy water and a soft bristle brush to remove dirt and debris from the embossing pattern.
Hard Water Staining	Hard water is water with a high amount of mineral deposits like lime, silica and calcium. When the water dries, deposits are left behind, leaving unsightly spots on surfaces. This is not a defect of Trex products but an issue with the water itself. Generally these deposits can be cleaned with white vinegar on decking surfaces or use of Magic Eraser® on railing surfaces. Rinsing is required so care should be taken to not use hard water for this purpose, and if it must be used, dry with a cloth or use a blower to dry surfaces.
Chalk Lines	Most colored chalks are permanent and may discolor the surface. Use only Irwin Strait- Line®* Dust-Off Marking Chalk (purple), available at <i>Irwin.com</i>
Tannins Due to Debris	Remove all debris from the deck using a hose or broom. Once the deck surface is dry, apply a deck "brightener"** to the deck as directed by the manufacturer. Deck Brighteners contain oxalic acid, which will also remove tannins.
Ice and Snow	A plastic shovel may be used to remove snow from the deck. Use calcium chloride or rock salt to melt the snow and ice from the deck surface.
Oil, Grease, and Food	All food spills should be removed as soon as possible. The surface must be cleaned within seven days to maintain the stain warranty. To remove, spray off with a hose and use warm, soapy water and a soft bristle brush to remove spills from the embossing pattern.
Mold and Mildew	If debris such as pollen and dirt is allowed to remain on the deck surface, mold can feed on the biofilm. Using a hose and warm, soapy water with a soft bristle brush is recommended to remove the food source and mold.
Using a Pressure Washer (Concrete, Stucco, or Ground-in Construction Dirt)	A pressure washer with no greater than 3100 psi*** that has a fan attachment/ adjustment and soap dispenser may be used to remove dirt, concrete dust, or other types of construction dirt. Spray deck with soap, then follow by gently scrubbing each deck board with a soft bristle brush. Spray/rinse each individual deck board using a fan tip no closer than 8-in (203 mm) from the decking surface. RINSE THOROUGHLY . If dirty water from cleaning is left to dry, this will cause a film to remain on the decking surface.
Maintaining Transcend and Select Railing	NEVER use acetone or other solvents on Trex Transcend or Select railing to maintain the beauty of the surface. For color transfer issues (from attachment of baluster spacer), use Mr. Clean® Magic Eraser® Original or Magic Eraser® Extra Power**** to help remove this. For small surface scratches, marks, or scuffs, use Dupli-Color Scratch Seal™ Clear Sealer Pen.*****

TREX TRANSCEND®, TREX ENHANCE®, AND TREX SELECT® CARE AND CLEANING GUIDE/continued

PROBLEM	SOLUTION
Job Site Storage	Store decking on a flat level surface, and ALWAYS use proper supports (dunnage). DO NOT store directly on the ground. When stacking decking bundles, supports (dunnage) should start approximately 8-in (203 mm) from each end and be spaced approximately 2-ft (0.61m) on center. In addition, supports (dunnage) should line up vertically/perpendicular to the decking product. Adjust support blocks (dunnage) accordingly if bundles are loose. For Select decking, 1x12 and 1x8 products, the maximum stack height is 12 bundles. For all other decking products maximum stack height is 14 bundles (IMPORTANT TO NOTE THAT PROPER DUNNAGE SPACING MUST BE IN PLACE FOR THESE HEIGHTS) . When stacking multiple bundles, ensure that dunnage lines up vertically down through each stack. ALWAYS cover decking products on site until ready to be installed.

^{*}Strait-Line® is a registered trademark of Irwin Industrial Tool Company.

NOTES:

- » Refer to www.trex.com to view a general care and cleaning video for Transcend, Enhance, and Select decking.
- » Refer to www.trex.com for a care and cleaning guide for Trex Early-Generation Composite and PVC Decking.

TREX SIGNATURE® RAILING CARE AND CLEANING GUIDE

Maintaining the appearance of your Trex Signature railing is important. The occasional wash is recommended as over time your Signature railing may show signs of weathering as a result of exposure to the elements. The frequency of cleaning will depend on the environment and exposure to various types of elements.

For installations where the atmosphere is influenced by bodies of salt water or other contaminant conditions, cleaning is required every 6 to 9 months. Failure to adhere to the required cleaning guidelines will void the Trex Limited Warranty with respect to any condition resulting from such failure. For purposes of any warranty claim, you should retain documentation of the cleaning date, cleaning method used, brand and amount of chemical used, and invoice from cleaning company (or a receipt for chemicals used).

Regular cleaning may minimize the effects of weathering and remove dirt, grime and other build-up. The best method of maintaining the appearance of your Signature railing is to occasionally wash it using a solution of warm water and a non-abrasive, pH neutral detergent solution. The railing surface should be thoroughly rinsed after cleaning to remove all residues. Use a soft white cloth, sponge or a soft bristle brush.

DO NOT clean Trex Signature railing with solvents such as thinners or solutions containing chlorinated hydrocarbons, esters or ketones.

The following cleaners are recommended for cleaning Trex Signature railing:

- » Formula 409[®] Cleaner Degreaser/Disinfectant*
- » Spray Nine® Cleaner/Disinfectant**
- » Simple Green® All Purpose Cleaner***
- » Fantastik® All Purpose Cleaner****
- » Windex® Cleaner****

^{**}Use of products containing bleach or acid will lighten the lighten the surface of Trex. Use in an inconspicuous area to determine whether you like the effect. Neither product will affect the structural integrity of Trex.

^{***}Use of a pressure washer greater than 3100 psi could damage the boards and void the warranty.

^{****}Mr. Clean® and Magic Eraser® are registered trademarks of The Procter and Gamble Company.

^{******}Scratch Seal™ Clear Sealer Pen is a registered trademark of Dupli-Color Products Company.

^{*} Formula 409® Cleaner Degreaser/Disinfectant is a trademark of Clorox Company.

^{**} Spray Nine® All Purpose Cleaner/Disinfectant is a trademark of Illinois Tool Works Inc.

^{***} Simple Green® All Purpose Cleaner is a trademark of Sunshine Makers Inc.

^{****} Fantastik® All Purpose Cleaner is a trademark of SC Johnson & Son Inc.

^{*****} Windex® is a trademark of SC Johnson & Son Inc.