

2017 INTERNATIONAL INSTALLATION GUIDE



INSTALLATION TIPS

Capturing that exotic beauty when installing a Trex Transcend deck in tropical colors is as easy as mixing and matching.



To start your deck design, mix and match all tropical boards on the jobsite.



Start lining them up, putting dark against light, as a practice run to help visualize the final look. You'll see that the variety of color board by board develops its own rich, random pattern full of lights and darks.



Continue mixing and matching boards to ensure an appealing mix of light and dark tones across the entire deck.

IMPORTANT TIPS: QUICK REFERENCE GUIDE

Mix and Match Colors/Color Variation

When installing any Trex decking product, especially Trex Transcend Tropicals, it is a good idea to mix and match all the boards on the job site prior to installation to ensure an appealing mix of light and dark tones. *Refer to the column to the left on this page for additional information.*

Care and Cleaning

All exterior building materials require cleaning. Generally only soap and water is all that is required to clean Trex Decking products. *For detailed cleaning information, please see page 5.*

Cutting Ends of Boards

You must cut the ends of Trex decking boards to ensure a good square cut prior to installation. *Refer to page 14 for additional information.*

Spanning Requirements

Trex decking requires different joist spanning requirements based on load applications or deck orientation. *Refer to page 15 for additional information.*

Gapping Requirements

Trex decking requires product to be gapped at installation to ensure proper spacing for expansion and contraction. *Refer to page 16 for additional information.*

Special Requirements When Using Trex Hideaway at Abutted Deck Boards

When using the Trex Universal Hidden Fasteners or Elevation Hidden Fasteners where the ends of two deck boards meet (abutted ends), it is critical to use these fasteners in the proper way. *Refer to page 20 for additional information.*

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.

» 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 if this guide is in print form.



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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 a 25,4 cm - 30,5 cm saw blade with 40 teeth or more. When cutting Trex Transcend® railing, we recommend using a 60-tooth carbidetipped blade. (These are not recommended for cutting Trex Elevations®.)





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.

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.

TREX TRANSCEND[®], TREX ENHANCE[®], AND TREX CONTOUR[®] CARE AND CLEANING GUIDE

All exterior building materials require cleaning. Generally, soap and water is all that is required to clean Transcend, Enhance, and Contour 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 214 Bar*** 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 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 Railing	NEVER use acetone or other solvents on Trex Transcend 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 CONTOUR[®] 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 203 mm from each end and be spaced approximately 0,61 m on center. In addition, supports (dunnage) should line up vertically/perpendicular to the decking product. Adjust support blocks (dunnage) accordingly if bundles are loose. 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.

 $* {\it Strait-Line}^{\circledast}$ is a registered trademark of Irwin Industrial Tool Company.

**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.

 $\ast\ast\ast$ 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.

NOTES:

» Refer to **www.trex.com** to view a general care and cleaning video for Transcend, Enhance, and Contour decking.

» Refer to **www.trex.com** for a care and cleaning guide for Trex Early-Generation Composite and PVC Decking.

TREX SIGNATURE® (FORMERLY REVEAL®) 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****

* 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.

EUROPEAN PHYSICAL & MECHANICAL PROPERTIES TREX TRANSCEND®

CRITERION	RITERION TEST METHOD RESULTS		TEST EXPLANATION
Bending Modulus EN 15534-1:2014			
Trex Transcend (24 mm thick) at span of 368 mm	Deflection under load of 500 N = 2.0 mm</td <td>Pass</td> <td>3 point bend test to determine the amount of flexibility of a sample at a specific load</td>	Pass	3 point bend test to determine the amount of flexibility of a sample at a specific load
Breakage Modulus [psi]	EN 15534-4:2014		
Trex Transcend (24 mm thick) at span of 368 mm	F' max >/= 3300 N	Pass	Maximum amount of force in a 3 point bend test that it takes to break a sample
Determination of Slipperiness	EN 15534-1:2014	Angle/Rating Class	
Trex Transcend (24 mm)	Average angle of inclination	27/C	Wet-loaded barefooted areas, walking method-ramp test
Fire Resistance Testing	DIN EN ISO 11925-2 and DIN EN ISO 9239-1	Classification	
Trex Transcend (24 mm)	Single flame and radiant heat source	Fire Class = Dfl-s2	Fire Resistance Testing. Classification according to EN 13501-1
Creep Behavior	EN 15534-1:2014	Results	
Trex Transcend (24 mm)	Deflection under 850 N for 168 hours = 10 mm</td <td>Pass</td> <td>Measures deflection of 3 point bend test over an extended period of time</td>	Pass	Measures deflection of 3 point bend test over an extended period of time
Falling Mass Impact Resistance	EN 15534-1:2014		
Trex Transcend (24 mm)	1000 gram striker falling from 700 mm. Shall indent less than 0.5 mm	Pass	Resistance to indentation of a falling mass at a set height. The indentation must not exceed 0.5 mm

* German/Euro lab = "eph" – Entwicklungs – und Pruflabor Holztechnologie GmbH (Dresden, Germany)

CRITERION	TEST METHOD	RESULTS	TEST EXPLANATION
Thermal Expansion Coefficient (Transcend)	ASTM D696		
Width		8.94 x 10 – 5 cm/cm/C	Distance a 304.8 mm sample expands or contracts in the width direction at various temperatures
Length		4.1 x 10 – 5 cm/cm/C	Distance a 304.8 mm sample expands or contracts in the length direction at various temperatures
Compressive Strength (Transcend)	ASTM D695		
Surface		12.45 MPa	Force required to compress the surface of a sample between two (2) 50 mm spheres for a 0.2 mm indentation
Edge		13.40 MPa	Force required to compress the surface of a sample between two (2) 50 mm spheres for a 0.2 mm indentation
Relative Density [g/cm ³] (Transcend)	ASTM D792		
Width		1.05	Mass per unit volume as compared to water (1.00 g/cm ³)
Resistance to Fungal Infestation	ASTM D1413		
[Brown, White Rot]		No decay	Samples are subjected to wood destroying fungi (white and brown rot) and evaluated for decay and weight loss.
Screw Retention (Transcend)	ASTM D1761		
#8 screws		679 N/cm	Amount of force it takes for a screw to be removed from a deck board
Water Absorption (Transcend)	ASTM D1037		
Vol. %		<0.5%	Weight gain measurement of a deck board when immersed in water for 24 hrs
Mass %		0	Change in mass measurement of a deck board when immersed in water for 24 hrs

* ASTM (American Society for Testing of Materials) tests conducted at Washington State University (Pullman, WA, USA)

EUROPEAN PHYSICAL & MECHANICAL PROPERTIES TREX CONTOUR®

CRITERION	TEST METHOD	RESULTS	TEST EXPLANATION
Bending Modulus	EN 15534-1:2014		
Trex Contour (24 mm thick) at span of 305 mm	Deflection under load of 500 N = 2.0 mm</td <td colspan="2">Pass 3 point bend test to determine the amount of flexibility of a sample at a specific load</td>	Pass 3 point bend test to determine the amount of flexibility of a sample at a specific load	
Breakage Modulus [psi]	EN 15534-4:2014		
Trex Contour (24 mm thick) at span of 305 mm	F' max >/= 3300 N	Pass	Maximum amount of force in a 3 point bend test that it takes to break a sample
Determination of Slipperiness	EN 15534-1:2014	Angle/ Rating Class	
Trex Contour (24 mm)	Average angle of inclination	26 / C	Wet-loaded barefooted areas, walking method-ramp test
Fire Resistance Testing	DIN EN ISO 11925-2 and DIN EN ISO 9239-1	Classification	
Trex Contour (24 mm)	Single flame and radiant heat source	Fire Class = Cfl-s2	Fire Resistance Testing. Classification according to EN 13501-1
Creep Behavior	EN 15534-1:2014	Results	
Trex Contour (24 mm)	Deflection under 850 N for 168 hours = 10 mm</td <td>Pass</td> <td>Measures deflection of 3 point bend test over an extended period of time</td>	Pass	Measures deflection of 3 point bend test over an extended period of time
Falling Mass Impact Resistance	EN 15534-1:2014		
Trex Contour (24 mm)	1000 gram striker falling from 700 mm. Must not indent less than 0.5 mm	Pass	Resistance to indentation of a falling mass at a set height. The indentation must not exceed 0.5 mm

PLANNING AHEAD

PLANNING AHEAD

Trex Decking:

» When installing any Trex decking product, especially Trex Transcend Tropicals, it is a good idea to mix and match all of the boards on the job site prior to installation to ensure an appealing mix of light and dark tones.

Trex Railing:

- » Trex Signature railings are made to be installed at maximum 1,83 m or 2,44 m CLEAR SPAN BETWEEN POSTS.
- » Determine post locations prior to installing any decking. In most cases, posts are usually installed before decking is installed. Ensure that posts are installed correctly per desired railing requirements.
- » Grill placement: A good recommendation to help prevent damage to your railing is to not have a grill too close to your railing. Allow for ample airspace between the back/sides of your grill to help prevent charring or staining to the railing.

See pages 32–63 for Signature railing installation. See individual instructions included with Trex Transcend Railing PRIOR to installing Trex decking.

Trex Lighting:

- » Plan locations of lights, power supply, timer, and dimmer. These should be accessible for service if necessary.
- » Install wiring before decking and railing have been installed.
- » **DO NOT** run wires between joists and deck boards.

See individual instructions included with Trex Lighting PRIOR to installing Trex decking or railing products.

Trex[®] RainEscape[®] Deck Drainage System:

- » Plan ahead for deck layout to allow for proper placement of Trex RainEscape within the joist system.
- » Make sure joists are straight and square.

See **www.trex.com** for more information on Trex RainEscape recommendations and installation. Trex RainEscape is manufactured and distributed by Dri-Deck Enterprises, LLC, under a trademark license with Trex Company, Inc.

Installing Hot Tubs, Planters, and Seating:

» Plan ahead proper joist spanning if required (this is especially important if installing a hot tub).

Installing Fireplaces and/or Fire Pits With Trex Decking:

» Determine if fire will be gas or wood burning.
 (NOTE: Most fire pits shown in Trex images are gas burning.)



- » For gas, the fire pit is installed by cutting around the Trex decking. It is not to be installed on top of Trex decking. A fire-resistant material is installed under the fire pit and a protective "wall" made from stone or other fire-resistant material is installed to hold fire pit in place and also protect the decking from heat.
- » For wood, fire pits are not recommended on top of Trex decking unless using a non-flammable and heatprotective barrier between the decking and the fire pit. Wood-burning fire pits can damage the decking due to extreme heat from the bottom of the fire pit and/or burning embers "shooting" onto the decking.

Installing a Pergola on Trex Decking:

- » Keep in mind if you are planning to install a Trex[®] Pergola[™] on your deck, you will need access to the underside of the deck. Trex Pergola mounts with a 254 mm x 254 mm aluminum plate on the underside of the deck, creating a clamping effect on both the top and bottom of the deck for maximum strength. If installed, water barriers and any under deck coverings will have to be removed to properly install the pergola posts.
- » You need to consider the location of your pergola posts in respect to joists. However, you do not have to mount your plates between joists. It is possible to place blocks on the bottom of the joists and mount the Trex Pergola brackets through the blocks.

Trex[®] Pergola[™] products are manufactured and sold by Home & Leisure, Inc., d/b/a/ Structureworks Fabrication under a Trademark License Agreement with Trex Company, Inc. A 25-year Limited Warranty is provided by manufacturer.

Installing Trex[®] Outdoor Kitchens Cabinetry and Storage[™]:

» Refer to **www.trexoutdoorstorage.com** for detailed information on how to install Trex Outdoor Kitchens and Cabinetry Storage products.

Trex[®] Outdoor Kitchens Cabinetry and Storage[™] products are manufactured and sold by NatureKast, LLC., under a Trademark License Agreement with Trex Company, Inc. Warranty is provided by manufacturer.

NOTE: You can always reference the Design Tools Section on **www.trex.com** for additional planning ahead aids.



TREX DECKING, PORCH FLOORING, AND FASCIA

PROFILE	DESCRIPTION	ITEM NUMBER	COLORS
25 mm Square-Edge Board Actual dimensions:	25 mm x 152 mm x 365 cm Transcend 25 mm x 152 mm x 487 cm Transcend 25 mm x 152 mm x 609 cm Transcend	XX010612TS48 XX010616TS48 XX010620TS48	HG, IM, LR, SR, TT, FP, GP, RS, TH, VL
	25 mm x 152 mm x 365 cm Enhance 25 mm x 152 mm x 487 cm Enhance 25 mm x 152 mm x 609 cm Enhance	XX010612ES48 XX010616ES48 XX010620ES48	BD, CS, SD
	25 mm x 152 mm x 365 cm Contour 25 mm x 152 mm x 487 cm Contour 25 mm x 152 mm x 609 cm Contour	XX010612CS48 XX010616CS48 XX010620CS48	CB, HB, PG, RR, SB, MR, CH, TB
25 mm Grooved-Edge Board Actual dimensions:	25 mm x 152 mm x 365 cm Transcend 25 mm x 152 mm x 487 cm Transcend 25 mm x 152 mm x 609 cm Transcend	XX010612TG48 XX010616TG48 XX010620TG48	HG, IM, LR, SR, TT, FP, GP, RS, TH, VL
	25 mm x 152 mm x 365 cm Enhance 25 mm x 152 mm x 487 cm Enhance 25 mm x 152 mm x 609 cm Enhance	XX010612EG48 XX010616EG48 XX010620EG48	BD, CS, SD
	25 mm x 152 mm x 365 cm Contour 25 mm x 152 mm x 487 cm Contour 25 mm x 152 mm x 609 cm Contour	XX010612CG48 XX010616CG48 XX010620CG48	CB, HB, PG, RR, SB, MR, CH, TB
25 x 203 mm Fascia	25 mm x 203 mm x 365 cm Transcend 25 mm x 203 mm x 365 cm Enhance	XX010812TS60 XX010812ES60	HG, IM, LR, SR, TT, FP, GP, RS, TH, VL BD, CS, SD
14 mm x 184 mm x 365 cm	25 mm x 203 mm x 365 cm Contour 25 mm x 203 mm x 365 cm Universal White	XX010812CS60 WW010812ES60	CB, HB, PG, RR, SB, MR, CH, TB WOOD GRAIN WHITE
25 x 305 mm Fascia	25 mm x 305 mm x 365 cm Transcend 25 mm x 305 mm x 365 cm Enhance	XX011212TS40 XX011212ES40	HG, IM, LR, SR, TT, FP, GP, RS, TH, VL BD, CS, SD
14 mm x 288 mm x 365 cm	25 mm x 305 mm x 365 cm Contour 25 mm x 305 mm x 365 cm Universal White	XX011212CS60 WW011212ES40	CB, HB, PG, RR, SB, MR, CH, TB WOOD GRAIN WHITE
51 mm Square-Edge Board	51 mm x 102 mm x 487 cm Transcend	XX020416TS48	HG, IM, LR, SR, TT
Actual dimensions: 33 mm x 86 mm x 487 cm 33 mm x 140 mm x 365 cm / 487 cm / 609 cm	51 mm x 102 mm x 386 cm Transcend 51 mm x 102 mm x 609 cm Transcend	XX020616TS32 XX020620TS32	HG, IM, LR, SR, TT

HG Havana Gold XX = COLOR PREFIX: HG Havana Gold IM Island Mist LR Lava Rock SR Spiced Rum	TT Tiki Torch FP Fire Pit GP Gravel Path RS Rope Swing	TH Tree House SD Saddle VL Vintage Lantern SB Sand Brown CG Chateau Grey TB Torino Brown PG Pebble Grey HB Honey Brown	CB Clove BD Beac CS Clarr MR More	e Brown RR Russet Red ch Dune n Shell occan Red
TREX HIDEAWAY® HIDDEN FASTENIN	NG SYSTEM	DESCRIPTION		ITEM NUMBER
Connector Clip (stainless steel) Gun Pail	میکید اند	4.6 m ² box 46.5 m ² bucket 46.5 m ² bucket with collated pneumatic screws 27 m ² box		CONNECTCLIP CLIPPAIL GUNCLIP
Elevations Universal Starter Clip	•	S7 TH° Dag		ELVSTARTCLIP
Universal Fastener (glass-filled nylon)		4.6 m² box 46.5 m² bucket		UNIVCONCLIP DA00002
Router Bit	-	Router Bit		ROUTBIT
Elevations Universal Hidden Fastener		4.6 m ² box		ELVUNIVCLIP

DECKING AND FASCIA RECOMMENDED FASTENERS





Trex Universal Start Clip/ Elevations Start Clip

Trex Universal Hidden Fastener



Trex Elevations Universal Hidden Fastener

COMPATIBLE FASTENER MATERIALS FOR USE WITH TREX					
Substrate Material	Carbon Steel w/1000 hr. Corrosion- Resistant CoatingStainless Steel: 410 Series or 		Stainless Steel: 300 Series or 1.4301/ 1.4401/ 1.4567		
Exterior Grade Natural or Treated Wood	Exterior Grade Natural or Yes*** Treated Wood		Yes**		
Plastic or Fiberglass Yes Composites		Yes	Yes		
Aluminum No		No	Yes		
Steel	No	Yes*	Yes		

*Trex Elevations Universal Hidden Fastener are approved

**Trex Universal Hidden Fasteners are approved

***See Trex recommended fasteners for listing of approved decking screws

This guide is for recommended use of fasteners for use with Trex decking. Not all sub-structure materials fall under these categories. In the case of any unique substrate composition of materials, or proprietary composites, consult the substrate manufacturer for recommendations of applicable fasteners.

HIDDEN FASTENER TIPS

Start Clips Needed

You will need 2.5 clips per lineal meter of start board and finish board.

CONNECTOR CLIPS NEEDED					
Joist Spacing	Dist Spacing Deck dimension in square meters				ters
(on center)	1 0 20 30 40 5				
305 mm	230	460	640	920	1150
406 mm	200	400	600	800	1000

NOTE: When using hidden fasteners (both start and connector clips), one must be used on every joist.

Calculating the Number of Connector Clips Needed

- » # of joists x # of decking boards = # of connector clips needed.
- » Ninety connector clips will cover approximately 4,6 m2 using 140 mm decking boards on 406 mm centers.

	TRE	X PRODUCT I	LINES
	Transcend ®	Enhance ®	Contour®
Trex Hideaway® Universal Hidden Fastener/Trex Elevations Universal Hidden Fastener	х	x	x
Trex Hideaway® Connector Clip	х	х	х
FastenMaster® TrapEase 3 Ultimate Composite Deck Screw	х	х	х
Cortex® Concealed Fasteners**	х	х	
Starborn® DeckFast® Fascia System – Epoxy Coated* Starborn® DeckFast® Fascia System – HeadCote® Stainless*	х	x	
SplitStop™ Fascia Screws* (uses SplitStop™ Fascia Bit)	х	x	•

*Fascia system screws listed above **can only be used with composite fascia profiles**, and cannot be used with standard thickness decking boards used as fascia. Use stainless steel screws near water applications.

If any condition occurs which is attributable to the use of non-recommended fasteners, such condition shall not be covered under Trex's Limited Warranty.

<code>FastenMaster®, TrapEase® 3, and Cortex® are registered trademarks of OMG, Inc.</code>

DeckFast® Fascia System screws are registered trademarks of Starborn Industries Inc.

SplitStop ${}^{\rm TM}$ fascia screws are a registered trademark of Titan Metal Werks, Inc.

Trex recommends the use of two screws per joist.

All recommended screws are designed to be installed flush with decking surface, DO NOT countersink screws.

Use recommended stainless steel screws in any areas near bodies of saltwater.

FRAMING AND FASTENING TIPS

TREX AND STATIC ELECTRICITY

While this is not common, static electricity can occur on walking surfaces in dry climates or in areas where dry winds and dust-borne particles lay on the decking surfaces. Static electricity can build up on occupants walking across any composite decking surface, including Trex, then produce a small static shock if they touch a grounded metal surface such as railing, door, etc.

This condition can be decreased greatly with the use of a product call ACL Staticide®. Two products tested were General Purpose Staticide® and Heavy Duty Staticide®. Both are effective in greatly reducing static electricity on Trex decking surfaces. Apply full strength using a mop on a dry decking surface, and allow to dry. No rinsing, no diluting needed. Products are non-toxic, non-flammable, non-staining (will not change the color of decking surface), completely biodegradable and safe to use. Product is water based and may require a second application after rain or other weather conditions. Over a period of time, the effect of static will dissipate naturally on the decking surface.

See link for more information on product: http://www.aclstaticide.com/antistatic_ coatings.html

TREX PRODUCTS NEAR LOW-E WINDOWS

Low-E glass reflects more sunlight, and it has been observed that the extra reflectivity combined with any concavity in the glass can act like that of a concave mirror, concentrating sunlight onto outdoor objects, including that of decking and railing. This can result in an extreme amount of heat concentrated on areas of the decking surface, which in turn can sometimes char the decking surface or cause the decking to slightly bow.

FASTENING TIP FOR TRANSCEND, CONTOUR, AND ENHANCE

NOTE: When using pneumatic or batteryoperated equipment, adjust the pressure so that you only shoot the head of the screw to be flush with the board's cap. **DO NOT** shoot the fastener head completely through the cap.

IF USING COMPOSITE SCREWS TO ATTACH DECKING TO WOOD FRAMING

At board ends on the deck's edge, you can install screws placed perpendicularly at the recommended distance, at a minimum of 25 mm from the board end and edge, without splitting the board.

For butt joints, where boards meet over a single joist, add a 51 mm x 102 mm "nailer" board at the butt joint. This allows you to install a screw at a 90° angle.

Always use two screws at each joist and at board ends.



CUTTING ENDS OF TREX BOARDS

BEFORE INSTALLATION OF DECKING, YOU MUST CUT BOTH ENDS OF THE DECK BOARDS (5 MM EACH SIDE) TO ENSURE A GOOD SQUARE EDGE PRIOR TO INSTALLATION.

BOARD COLOR VARIANCE

When installing any Trex decking product, especially Trex Transcend Tropics colors, it is a good idea to mix and match all of the boards on the job site prior to installation to ensure an appealing mix of light and dark tones.

DOCK APPLICATIONS

Trex decking contains no materials that will harm marine life and is safe for the environment. As long as dock is in intermittent contact with water, i.e., splashing and not in continuous direct contact with water, the durability of the Trex decking should not be affected. For docks, a 10 mm width-to-width gap between boards is recommended to allow for increased drainage due to increased contact with water. In addition, stainless steel fasteners should be used. If there is sufficient contact with the dock and gasoline, grounding of the dock is also recommended.

SPANNING REQUIREMENTS

	Residential Decks, Light Duty Docks, Residential/Day Care Playground	Commercial Decks, Boardwalks and Marinas		
Decking Loading	4788 N/m²	4788 N/m ² 9576 N/m ²		
24 mm x 140 mm Boards	406 mm	406 mm 305 mm		

TREX RAILING SPAN CHART		
	Maximum Railing Span for all Applications	
Transcend railing and Signature railing	243,8 cm on center for Transcend 243,8 cm clear span for Signature	

ADJUST JOIST SPANNING TO ACCOMMODATE ANGLED DECKING PATTERNS



Perpendicular to joists. See chart above.



At a 60° angle, maximum joist spanning is 51 mm less than listed in the chart above.



At a 45° angle, maximum joist spanning is 102 mm less than listed in the chart above.



At a 30° angle, maximum joist spanning is 1/2 of the distance listed in the chart above.

Special Patterns

When planning a unique pattern, you will need to adjust the framing to support the surface pattern. Many decks are designed to take advantage of angles, as shown below.







Picture Frame Pattern

Herringbone Pattern

Tile Pattern

GAPPING and OVERHANG

You must gap Trex decking, both end-to-end and width-to-width. Gapping is necessary for drainage and the slight thermal expansion and contraction of Trex decking boards. Gapping also allows for the shrinkage of the wood joist system.

- » **ALWAYS** follow Trex-recommended gapping guidelines.
- » Maximum allowable perpendicular overhang for all Trex decking is 13 mm.
- » Note that outside temperatures do affect the amount of gapping required. Refer to details shown for gapping rules and temperatures at time of installation.



Width-to-Width

End-to-Width

When you use the recommended hidden fasteners, the placement of the hidden fastener establishes the designated gap size.



3 mm (above 4.5C) 5 mm (below 4.5C)

End-to-End



Abutting Solid Objects

METAL FRAMING REQUIREMENTS



- » Gapping rules are required when installing Trex decking. See page 16 for requirements.
- » If installing decking at angle, decrease spans as per Trex recommendations listed previously.
- » When using an aluminum framing system or other type of metal for sleeper systems, follow manufacturer's instructions for proper installation. Depending on loading requirements and/or if installing Trex decking on an angle, framing spacing may need to be adjusted. See page 15 for Trex requirements.
- » Depending on type of structure being used, different types of fasteners must be used for attachment. Refer to the chart at right for compatible fasteners based on substrate material being used.
- » When using screws to attach decking to framing, use two screws per every joist.

WITH TREX					
Substrate Material	Carbon Steel w/1000 hr. Corrosion- Resistant Coating	Stainless Steel: 410 Series or 1.4003/ 1.4006	Stainless Steel: 300 Series or 1.4301/ 1.4401/ 1.4567		
Exterior Grade Natural or Treated Wood	Yes***	Yes	Yes**		
Plastic or Fiberglass Composites	stic or erglass Yes Yes iposites		Yes		
Aluminum	No	No	Yes		
Steel	No	Yes*	Yes		

COMPATIBLE FASTENER MATERIALS FOR USE

*Trex Elevations Universal Hidden Fastener are approved

**Trex Universal Hidden Fasteners are approved

***See Trex recommended fasteners for listing of approved decking screws

This guide is for recommended use of fasteners for use with Trex decking. Not all sub-structure materials fall under these categories. In the case of any unique substrate composition of materials, or proprietary composites, consult the substrate manufacturer for recommendations of applicable fasteners.

PRESSURE-TREATED FRAMING REQUIREMENTS



- » Gapping rules are required when installing Trex decking. See page 16 for requirements.
- » This system should not be allowed to float; it must be attached in a manner that secures the framing/ system.
- » If installing decking at angle, decrease spans as per Trex recommendations listed previously.
- » With wood framing, all cut ends should be coated to preserve ends. Refer to local building supplier for what can be used.
- » When using screws to attach decking to framing, use two screws per every joist.
- » For pressure-treated wood sleeper systems, where little debris (pine needles, leaves, sand, dirt) can accumulate either between or under deck boards, a minimum of 38 mm height is allowable. Trex recommends the use of Trex Universal Hidden Fasteners. (DO NOT USE TREX Elevations Universal Hidden Fasteners if using pressuretreated wood framing.) For areas with the potential for debris buildup, a minimum 89 mm or greater height is recommended to allow the debris to be removed along with the use of either Trex Universal Hidden fasteners or any Trex recommended screws.

DECKING

TREX® FASCIA INSTALLATION AND GAPPING RECOMMENDATIONS

Trex Fascia utilized around the perimeter of a deck must be gapped with the same requirements as Trex decking to allow for air flow and expansion/contraction of the fascia.

The fascia gapping requirements are as follows:



When Using Approved Fascia Fasteners:

NOTE: The fasteners listed below can only be used with 30,5 cm x 244 cm or 30,5 cm x 366 cm fascia product, and cannot be used with decking product that is being used as fascia trim or stair risers.

Trex recommends the use of Starborn[®] DeckFast[®] Fascia System, for all composite Trex fascia profiles.

For near water applications, you can also use Fascia System HeadCote® stainless steel screws. *Refer to manufacturer recommendations for specifics if this is required.*

If using 61 cm x 244 cm framing, use two fascia screws every 45,7 cm. If using 61 cm x 305 cm or greater framing, use three fascia screws every 45,7 cm. *Follow manufacturer instructions for further install instructions and ALWAYS remember to gap fascia properly.* A secondary glue is not required when using these fasteners.

NOTE: The above fasteners can ONLY be used with fascia profiles.

If Using other Fasteners and/or Using Decking product in Fascia/Stair Riser Applications:

While Trex prefers the previous methods of attachment, as these are the very best options, there are also other recommendations that can be followed for fascia or deck boards being used for fascia. Use three Trex recommended composite decking screws every 30 cm. *ALWAYS refer to manufacturer instructions to ensure that recommended screws can be used for fascia applications*. The top screw should be placed 25 mm from the top of the rim joist, the second screw in the center of the rim joist, and the third screw 25 mm from the bottom of the rim joist.

IN ADDITION, also use a weather-resistant, construction-grade adhesive (adhesives that work with wood will work with Trex products) as a **SECONDARY** fastener when attaching fascia. *Remember to wipe away any excess before drying or allowing to drip on other Trex surfaces.*

ADDITIONAL TIPS:

- » When attaching 305 mm wide fascia, use 254 mm rim joists to allow for an easier and more aesthetically pleasing installation.
- » Miter cuts at butt joints and corners allow for a more aesthetically pleasing installation.

TIPS FOR INSTALLING A TREX HIDEAWAY® HIDDEN FASTENING SYSTEM

Installing Angled Deck Boards in Corners



How to Butt Seams



Routing Square Edge Boards for Trex Hideaway Hidden Fasteners

NOTE: The following Trex Square Edge decking boards (Trex Transcend, Trex Enhance, Trex Contour) can be routed.



Using a Trex router bit/groove cutter available at your local Trex dealer:

- 1. Rout from bottom side of board.
- 2. Rout the entire length of the board, or at every intersection where board is over support joists.

NOTES:

- » Hidden Fasteners MUST be used at every joist.
- » See page 16 for gapping requirements.

HOW TO INSTALL TREX HIDEAWAY UNIVERSAL HIDDEN FASTENERS

- » BEFORE INSTALLATION OF DECKING IT IS RECOMMENDED TO CUT BOTH ENDS OF DECK BOARDS (5MM EACH SIDE).
- » Maximum spacing of deck boards using Hideaway system is 406 mm on center. Fasteners provide 6 mm gap when installed correctly.
- » If installing in localities prone to large temperature shifts within a 24 hour period, when installing Trex Universal hidden fasteners, also pre-drill and toenail a screw (use same screw used in hidden fasteners) at an angle in groove at both ends (at least 25 mm from board end) and center of each board.
- » *Use correct type of Trex Hidden Fastener based on framing being used.



Installing Start Clips and First Board



- 1. Install start clips on edge of ledger board, centered on each joist. Secure clips with screws.
- Push grooved edge of deck board into start clips. Important: First board MUST be straight and well secured.

Installing Universal Fasteners



- 3. Insert fastener into grooved edge of deck board.
- 4. Align screw hole in fastener with center of joist. Continue along the length of the board at every joist.

NOTE: Screw only halfway down. DO NOT fully tighten.



Installing Second Board

5. Slide second board into place, making sure fasteners fit into groove. Install the next universal fastener on the other side of the second board in the same manner as Steps 3 and 4. **DO NOT** fully tighten the screw.

Complete Installation

6. Tighten screws on fasteners in first row. Proceed with Steps 3 through 5, tightening down each row after board that follows is in place. Be sure to use a long #1 square bit.



Installing Last Board Option 1:

NOTE: If boards are slightly bowed up, you can use this option to draw boards down on the final joist. This can also help eliminate overall movement of the boards in areas prone to wide temperature changes.

HOW TO INSTALL TREX HIDEAWAY UNIVERSAL HIDDEN FASTENERS/ CONTINUED

Using Fascia Board

7a. Pre-drill pilot holes at an angle through grooved edge of deck board into ledger board. Install 64 mm screws through pilot holes to secure. Attach a fascia board flush with deck surface.



Option 2: With Deck Board Overhang (Using Square Edge Board as Final Board)

7b. Pre-drill pilot holes at 45° angle from below deck surface through rim joist. Seat last board into fasteners



overhanging rim joist. Secure board with 64 mm screws using pilot holes. Position fascia board below overhanging deck board.

Option 3:

Face Screwing Both Decking and Fascia

8. Both decking and fascia can be attached using approved face screw fasteners.

HOW TO REPLACE TREX BOARDS INSTALLED WITH TREX HIDEAWAY UNIVERSAL FASTENERS

Universal Fasteners



1. Remove screws from fasteners on both sides of board to be replaced and remove board.





- 2. Angle new board to place. See inset box (above).
- 3. Slide a fastener for each joist into board grooves from both ends of the board.

NOTE: You may have to loosen adjacent boards to slide fasteners into position.

4. Position replacement board and secure fasteners on center of each joist.



Stairway Detail

- » Fasten stair treads continuously across at least four stringers.
- » See chart for center-to-center spacing of profiles.
- » Dress the sides of the stringers and risers with Trex[®] fascia or trim for a finished look.
- » Gapping between Trex boards on stair treads must be 6 mm–10 mm.
- » The overhang of the stair tread is not to exceed 19 mm.

MAXIMUM SPACING OF STAIR JOISTS (Center-to-Center)	
24 x 140 mm boards	240 mm

HOW TO INSTALL STAIR TREADS Installation Options

Option 1: Using Hidden Fasteners

- 1. Install start clips against riser on each step.
- 2. Install first board.
- 3. Install second board.
- 4. Secure with screws from top of second board into stringer boards.

Option 2: Using 51 mm x 102 mm Wood Support Blocks

- 1. Install start clips against riser on each stair tread.
- 2. Install first board.
- 3. Attach 51 mm x 102 mm blocks between stringers.
- 4. Pre-drill holes up through blocks.
- 5. Install second board.
- 6. Secure with screws from bottom through blocks and into stair treads.



LOCATION AND INSTALLATION OF SURFACE MOUNT POST - DECKING

IMPORTANT NOTES:

- » EACH POST MUST BE ATTACHED AS SHOWN TO ENSURE A CODE-COMPLIANT AND SAFE INSTALLATION.
- » ALWAYS REFER TO YOUR LOCAL BUILDING CODE OFFICIAL PRIOR TO INSTALLING ANY RAILING SYSTEM TO ENSURE ALL CODE AND SAFETY REQUIREMENTS ARE MET. TREX CANNOT BE HELD RESPONSIBLE FOR IMPROPER OR NON-RECOMMENDED INSTALLATIONS.
- » WHEN INSTALLING TREX POST MOUNTS ON ACQ OR CCA SURFACES, USE AN APPROPRIATE ISOLATION BARRIER BETWEEN POST AND SURFACE. (CONTACT LOCAL BUILDING CODE OFFICIAL IF NEEDED.)
- » ENSURE THAT CORRECT SKU HARDWARE IS ORDERED FOR THE TYPE OF RAILING BEING INSTALLED.

.....

» CANNOT BE USED WITH TREX TRANSCEND COCKTAIL RAILING.

TOOLS AND MATERIALS NEEDED

- » Drill and/or screw gun
- » 13 mm drill bit for wood
- » Blocking 5,1 cm x 20,3 cm pressure-treated Southern Yellow Pine or equivalent
- » Qty: 36 (per post) 7,6 cm pressure-treated compatible wood screws

PARTS

- » (1) Post mount
- » (2) Guide blocks
- » (18) #8-15 x 3,2 cm Self-tapping screws
- » (2) 10 x 2,5 cm Self-tapping screws



SKU ALPOSTHWDECK

(this SKU **SOLD SEPARATELY** and must be used for code-approved applications)

- » (4) 1 cm x 15,2 cm Hex cap bolts
- » (1) Back plate
- » (8) Flat washers
- » (4) Hex nuts



How to Install Post Mounts on Pressure-Treated Wood Framing

Corner Post Installation



1. Install 5,1 cm x 20,3 cm cross bracing frame in between joists at 18,4 cm. Attach a total of twelve 7,6 cm pressure-treated compatible screws (not provided).



2. Install two 5,1 cm x 20,3 cm boards as blocking under post location. Securely attach blocking using a total of twenty-four 7,6 cm pressure-treated compatible screws (*not provided*).

NOTE: TO ENSURE THE BLOCKING IS FULLY SECURE, USE THE AMOUNT OF SCREWS INDICATED ABOVE.

TIP: USE TWO ADDITIONAL SCREWS TO "SANDWICH" BLOCKING BOARDS TOGETHER FOR EASIER ATTACHMENT TO FRAMING.

LOCATION AND INSTALLATION OF SURFACE MOUNT POST - DECKING/

Line Post Installation



3. Install two 5,1 cm x 20,3 cm cross bracing frames in between joists at 18,4 cm. Attach a total of twelve 7,6 cm pressure-treated compatible screws (*not provided*).



- 4. Install two 5,1 cm x 20,3 cm boards as blocking under post location. Securely attach blocking using a total of twenty-four 7,6 cm pressure-treated compatible screws (*not provided*).
- 5. **NOTE:** RIM JOIST REMOVED TO SHOW PROPER ATTACHMENT OF HARDWARE.

Insert the (2) stainless steel barrier strips under the mounting bolt holes. Use composite shims or similar material (not provided) if posts are not plumb. Ensure that post is placed on decking surface so that it clears the rim joist and there is enough clearance on the underside blocking for the back plate to be installed.



Attach posts using four 1 cm x 15,2 cm hex cap bolts, washers, and nuts, along with aluminum back plate on underside of blocking. If the project requires IRC compliance, this back plate **MUST** be installed under the decking to ensure this will meet code compliance. *Reference SKU part number ALPOSTHWDECK for required hardware and aluminum plate. (Consult local code official for more information on IRC Compliance.)*

Install Guide Blocks

NOTE: Pre-drilling is not required but is optional for attachment of guide blocks to post. Use a drill bit slightly smaller in size than that of screw being installed.



- 6. Place or rest bottom aluminum guide block on bottom of post. Place guide on post so that notch is on a side that does not require railing to be attached.
- 7. Attach bottom guide block using one 10 x 25 mm self- tapping screw (*provided*) in notch to lock guide block onto post.





- 8. Location of top guide block will vary slightly based on type and height of railing being installed. Determine this measurement and place top guide block in location where top bracket for desired railing would be approximately on center of the top railing bracket location.
- 9. Attach top guide block using one 10 x 25 mm selftapping screw (*provided*) in notch to lock guide block onto post.

LOCATION AND INSTALLATION OF SURFACE MOUNT POST - DECKING/ CONTINUED

Install Railing System of Choice NOTES:

- » Quantity of 18 self-tapping screws are provided to cover all types of Trex railing bracket installations (Transcend and Signature [formerly Reveal]). Thus, depending on the type railing being installed, you may have screws that are not used.
- » If using 152 mm x 152 mm post sleeves, attach designated railing brackets using #8-15 x 4,4 cm 316 stainless steel self-tapping screws (not provided).
- » Pre-drilling is not required but is optional for attachment of brackets to guide blocks. Use a drill bit slightly smaller in size than that of screw being installed.

NOTE: If installing Trex DeckLighting on the posts, drill hole through support blocks to allow wiring for lights to be below the surface of the decking.

LOCATION AND INSTALLATION OF IRC-APPROVED POST MOUNTS - CONCRETE

IMPORTANT NOTES:

- » INSTALLATION SHOWN HERE IS FOR IRC APPROVED APPLICATIONS ONLY.
- » MAKE SURE CONCRETE IS LEVEL BEFORE INSTALLING POSTS.
- » ALWAYS REFER TO YOUR LOCAL BUILDING CODE OFFICIAL PRIOR TO INSTALLING ANY RAILING SYSTEM TO ENSURE ALL CODE AND SAFETY REQUIREMENTS ARE MET. TREX CANNOT BE HELD RESPONSIBLE FOR IMPROPER OR NON-RECOMMENDED INSTALLATIONS.
- » CANNOT BE USED WITH TREX TRANSCEND COCKTAIL RAILING.

TOOLS NEEDED

- » Hammer
- » Drill and/or screw gun
- » 10 mm drill bit for concrete

PARTS

- » (1) Post mount
- » (2) Guide blocks
- » (18) #8-15 x 32 mm Self-tapping screws
- » (2) 10 x 25 mm Self-tapping screws



SKU ALPOSTHWCONC (this SKU SOLD SEPARATELY)

- » (4) 10 mm x 95 mm
- Expansion anchor
- » (4) Flat washers
- » (4) Hex nuts



Pre-drill Holes



1. Using post as a template, mark locations of the four holes and drill into concrete at least 66,7 mm using a 10 mm masonry bit.

NOTE: You can either set drill bit to correct depth on drill or mark drill bit with tape at required dimension to ensure all holes are drilled at the correct depth.

LOCATION AND INSTALLATION OF POST MOUNTS - CONCRETE/continued



2. Clean out holes to remove all concrete dust.



3. Insert the (2) stainless steel barrier stripes under the mounting bolt holes. Use appropriate shims if posts are not plumb. Secure post mount with the four expansion anchors, washers and nuts.

NOTE: When using hammer to tap anchors in place, keep the threaded nut at the top of the anchor in order to not damage the threads.

NOTE: Recommended torque for anchors is 20 ft-lbs.

Install Guide Blocks

NOTE: Pre-drilling is not required but is optional for attachment of guide blocks to post. Use a drill bit slightly smaller in size than that of screw being installed.





- 4. Place or rest bottom aluminum guide block on bottom of post. Place guide on post so that notch is on a side that does not require railing to be attached.
- 5. Attach bottom guide block using one 25 mm selftapping screw (*provided*) in notch to lock guide block onto post.



- Location of top guide block will vary slightly based on type and height of railing being installed. Determine this measurement and place top guide block in location where top bracket for desired railing would be approximately on center of the top railing bracket location.
- 7. Attach top guide block using one 10 x 25 mm selftapping screw (*provided*) in notch to lock guide block onto post.

Install Railing System of Choice

IMPORTANT NOTES:

- » Quantity of 18 self-tapping screws are provided to cover all types of Trex railing bracket installations (Transcend and Signature [formerly Reveal]). Thus, depending on the type railing being installed, you may have screws that are not used.
- » Pre-drilling IS REQUIRED when attaching brackets to designated posts. Use a 3,6 mm drill bit to pre-drill at specified locations according to instructions provided with railing kits.
- » If using 15,2 cm x 15,2 cm post sleeves, attach designated railing brackets using #8-15 x 44 mm 316 stainless steel self-tapping screws (not provided).

NOTE: If installing Trex lighting on the posts, drill hole through support blocks to allow wiring for lights to be below the surface of the decking.

RAILING

SIGNATURE ALUMINUM RAILING (previously Reveal Railing) SKUs

• Choose either Signature posts or Trex post sleeves, caps and skirts for Steps 1 & 2. Pair with a rail & baluster kit (Step 3).

	citile signature posts of frex post siceres,		Ster Kit (Step 5).
STEP	COMPONENT	DESCRIPTION	ITEM NUMBER
112	Aluminum Post with Cap & Skirt	64 mm x 64 mm x 939 mm Post—Horizontal (IRC Compliant) (63 mm x 63 mm x 939 mm actual dimensions)	XXAL252537RCAP
Aluminum Crossover	64 mm x 64 mm x 1092 mm Post—Horizontal (IRC Compliant) (63 mm x 63 mm x 109 cm actual dimensions)	XXAL252543RCAP	
	Signature aluminum posts fulfill	64 mm x 64 mm x 1346 mm Post—Stair (IRC Compliant) (63 mm x 63 mm x 134 cm actual dimensions)	XXAL252553RCAP
	steps 1 & 2. If using Trex post sleeves, refer to page 54. Aluminum posts can only be	64 mm x 64 mm x 914 mm Crossover Post—Horizontal (IRC Compliant) (63 mm x 63 mm x 914 mm actual dimensions)	XXAL252536RCCP
used with the Trex Signature line.	64 mm x 64 mm x 1067 mm Crossover Post—Horizontal (IRC Compliant) (63 mm x 63 mm x 106 cm actual dimensions)	XXAL252542RCCP	
	Mount Hardware	Aluminum Mounting Plate & Hardware For use with all Trex 64 mm Surface Mount Aluminum Posts	ALPOSTHWDECK
		Concrete Post Mount Kit	ALPOSTHWCONC
	Aluminum Joist MountPost with Cap and Skirt	64 mm x 64 mm x 1600 mm (63 mm x 63 mm x 160 cm actual dimensions)	XXJMNTPOST63
	Signature Fascia Mount Kit (for use with wood framing)	For use with Joist Mount Signature Railing Post only.	XXFMNTWOOD
3	<section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header>	 183 cm x 914 mm Rail Kit w. Square Balusters—Horizontal 183 cm x 914 mm Rail Kit w. Square Balusters—Stair 244 cm x 914 mm Rail Kit w. Square Balusters—Horizontal 244 cm x 914 mm Rail Kit w. Square Balusters—Stair 183 cm x 1067 mm Rail Kit w. Square Balusters—Horizontal 183 cm x 1067 mm Rail Kit w. Square Balusters—Stair 183 cm x 1067 mm Rail Kit w. Square Balusters—Horizontal 183 cm x 1067 mm Rail Kit w. Square Balusters—Horizontal 183 cm x 1067 mm Rail Kit w. Square Balusters—Horizontal 244 cm x 1067 mm Rail Kit w. Square Balusters—Horizontal 244 cm x 1067 mm Rail Kit w. Square Balusters—Horizontal 244 cm x 914 mm Rail Kit w. Round Balusters—Horizontal 183 cm x 914 mm Rail Kit w. Round Balusters—Horizontal 244 cm x 914 mm Rail Kit w. Round Balusters—Horizontal 244 cm x 914 mm Rail Kit w. Round Balusters—Horizontal 183 cm x 1067 mm Rail Kit w. Round Balusters—Horizontal 183 cm x 1067 mm Rail Kit w. Round Balusters—Horizontal 244 cm x 1067 mm Rail Kit w. Round Balusters—Horizontal 244 cm x 1067 mm Rail Kit w. Round Balusters—Horizontal 244 cm x 1067 mm Rail Kit w. Round Balusters—Stair 183 cm x 1067 mm Rail Kit w. Round Balusters—Stair 183 cm x 1067 mm Rail Kit w. Round Balusters—Stair 183 cm x 1067 mm Signature Assembled Panel (Square)—Horizontal* 244 cm x 1067 mm Signature Assembled Panel (Square)—Horizontal* 244 cm x 1067 mm Signature Assembled Panel (Square)—Horizontal* 244 cm x 1067 mm Signature Assembled Panel (Square)—Horizontal* 244 cm x 1067 mm Signature Assembled Panel (Square)—Horizontal* 244 cm x 1067 mm Signature Assembled Panel (Square)—Horizontal* 244 cm x 1067 mm Signature Assembled Panel (Square)—Horizontal* 244 cm x 1067 mm Signature Assembled Panel (Square)—Horizontal* 	XXAS0636HRK XXAS0636SRK XXAS0836SRK XXAS0642HRK XXAS0642SRK XXAS0642SRK XXAS0842HRK XXAR0636HRK XXAR0636HRK XXAR0836SRK XXAR0836SRK XXAR0842HRK XXAR0842SRK XXAR0842SRK BKAS0636HRPNL BKAS0632HRPNL BKAS0842HRPNL BKAS0842HRPNL
ACCESSORY	Signature Accessories	(182 cm x 106 cm actual dimensions) (243 cm x 106 cm actual dimensions) (243 cm x 106 cm actual dimensions) Cocktail Rail Bracket (10/pack) Fixed Bracket—Horizontal (4/pack) Fixed Bracket—Stair (4/pack) Swivel Bracket—Stair (4/pack) Swivel Bracket—Stair (2/pack–1 top, 1 bottom) Swivel Bracket—Stair (2/pack–1 top, 1 bottom) 64 mm Horizontal Crossover Bracket (1/pack) 64 mm Swivel Crossover Bracket—Stair (1/pack) Compound Swivel Bracket (2/pack–1 top, 1 bottom) Aluminum Foot Block	XXCTBKTAL10PK XXFHBKTAL XXFSBKTAL XXSWHBKTAL XXSWSBKTAL XX25FHCBKTAL XX25RCSWSCBKTAL XXCPDSWBKTAL XXALFTBLK

Touch-up Pen

XXTOUCHUPPEN

ALUMINUM GATES SKUs

ALUMINUM G	ATES SKUs		
COMPONENT	DESCRIPTION	ITEM NUMBER	
Gate Rail Kit Available in all Aluminum colors.	36" Rail Height, Square Balusters, Adjustable up to 48" wide opening 36" Rail Height, Round Balusters, Adjustable up to 48" wide opening 42" Rail Height, Square Balusters, Adjustable up to 48" wide opening 42" Rail Height, Round Balusters, Adjustable up to 48" wide opening <i>[Actual height 36" Rail: 36 in (914 mm); 42" Rail: 42 in (106 cm)</i> <i>Actual width is 47.5 in (120 cm) but can be cut to fit any width.]</i>	XX36SQADJGATE XX36RDADJGATE XX42SQADJGATE XX42RDADJGATE	
Hardware Pack	2 Adjustable Self-Closing Hinges 1 Locking Hasp With Keys Hardware for attachment to wood post with composite sleeve or aluminum posts	BKGATEHW	

TREX SIGNATURE[®] (FORMERLY REVEAL[®]) RAILING

NOTES:

- » SIGNATURE POSTS CANNOT BE USED WITH SIGNATURE TRADITIONAL OR SIGNATURE COCKTAIL DESIGNS, ONLY PRESSURE-TREATED POSTS/ POST SLEEVES CAN BE USED. REFER TO DETAILED INSTRUCTIONS FOR MORE INFORMATION.
- » SIGNATURE RAILINGS ARE DESIGNED TO BE ATTACHED WITH POSTS INSTALLED AT A CLEAR SPAN OF 1,83 M OR 2,44 M.
- » IF INSTALLING AT EXACT SPAN LENGTHS OF 1,83 M OR 2,44 M, AND USING POST-TO-POST CONFIGURATION, THE BOTTOM RAIL WILL NOT NEED TO BE CUT, BUT THE TOP RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » IF INSTALLING AT EXACT SPAN LENGTHS OF 1,83 M OR 2,44 M, AND USING CROSSOVER POST CONFIGURATION (SPANS FROM ONE CROSSOVER POST TO ANOTHER CROSSOVER POST), BOTH THE BOTTOM RAIL AND TOP RAIL WILL NOT NEED TO BE CUT.
- » IN ADDITION, AT ALL FINAL END POST CONFIGURATIONS, TOP RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » SEE INFORMATION WITHIN DETAILED INSTRUCTIONS FOR MORE INFORMATION.
- » SEE PAGE 30 FOR SKU NUMBERS.





DETERMINING BALUSTERS NEEDED

Baluster Type	Per 183 cm Section	Per 244 cm Section	Per 183 cm Stair Section	Per 244 cm Stair Section
Square	15	20	13	17
Round	15	20	13	17

NOTE: THIS IS AN OVERVIEW OF ALL RAILING COMPONENTS FOR SIGNATURE HORIZONTAL APPLICATIONS – REFER TO DETAILED INSTRUCTIONS FOR SPECIFIC RAILING CONFIGURATIONS.

- A. Signature top rail and crowned cover
 - 186,7 cm
 - 247,7 cm
- B. Signature bottom rail and flat cover
 - 181,6 cm Rail
 - 177,8 cm Cover
 - 242,6 cm Rail
 - 238,8 cm Cover
- C. Signature upper rail bracket and cover
- D. Signature lower rail bracket and cover
- E. Signature balusters (square or round)
- F. Signature center baluster (square or round)
- G. Signature foot block**
- H. Signature post skirt or post sleeve skirt*
- I. Signature post*
 - (5,1 cm or 6.4 cm depending on application) 94.0 cm
 - 109.2 cm
 - or Trex 10,2 cm x 10,2 cm post sleeve*
 - 99,1 cm
 - 114.3 cm

- J. Signature crossover post*
 - 87,6 cm
 - 102,9 cm
- K. Signature post cap or post sleeve cap*
- L. Trex decking
- M. Trex Fascia
- N. Code-approved wood joist 5,1 cm x 20,3 cm or larger
- O. Code-approved wood rim joist 5,1 cm x 20,3 cm or larger
- P. Crossover bracket cover (supplied with crossover post)
- * Item not included in Signature Railing kits. Both 10,2 cm x 10,2 cm and 15,2 cm x 15,2 cm post sleeves are designed to fit over 10,2 cm x 10,2 cm pressure-treated post.
- ** Required ONLY for All Clear Span Applications over 1,83 m when smaller fixed baluster is fully centered, or unsupported spans greater than 1,52 m (example: 2,44 m span cut into one 1,52 m span and one 0,91 m span would require foot block under 1,52 m span since smaller fixed baluster is no longer centered). Included with 2,44 m railing kits.

NOTE: If installing 106,7 cm railing, and using pressure-treated posts with Trex post sleeves, ensure that a longer pressure-treated post is used along with longer post sleeve, both cut to a height of 116,8 cm from decking surface.

NOTE: MUST USE TREX DECK MOUNT POST HARDWARE AND METAL PLATE WHEN ATTACHING SIGNATURE POSTS.

SIGNATURE RAILING

INSTALLING SIGNATURE POSTS AND/OR SIGNATURE CROSSOVER POSTS ON WOOD OR CONCRETE

IMPORTANT NOTES:

- » EACH POST MUST BE ATTACHED AS SHOWN TO ENSURE A CODE-COMPLIANT AND SAFE INSTALLATION.
- » SIGNATURE POSTS CANNOT BE USED WITH SIGNATURE TRADITIONAL OR SIGNATURE COCKTAIL DESIGNS, ONLY Pressure-treated POST/POST SLEEVES CAN BE USED. REFER TO DETAILED INSTRUCTIONS FOR MORE INFORMATION.
- » ALWAYS refer to your local building code official prior to installing any railing system to ensure all code and safety requirements are met. Trex[®] cannot be held responsible for improper or non-recommended installations.
- » When installing Signature posts on ACQ, CCA or concrete surfaces, use an appropriate isolation barrier between post and surface (contact local building code official if needed).
- » For installing Signature Post and/or Signature Crossover Posts, see below.
- » For pressure-treated posts, post sleeves, and skirts, see detailed instructions provided with Signature Railing Kits.
- » All Signature stair installations require the use of a 1,35 m stair post, measured and cut to appropriate length if necessary.
- » If crossover stair post is required, use stair post (again cut to appropriate length if necessary) and use swivel crossover bracket.
 » If installing on concrete, make sure all surfaces are level.

TOOLS AND MATERIALS NEEDED

- » Drill and/or screw gun (hammer drill for concrete)
- » 13 mm drill bit for wood, 10 mm drill bit for concrete
- » Blocking 51 mm x 203 mm pressure-treated Southern Yellow Pine or equivalent
- » Qty: 36 (per post) 76 mm pressure-treated compatible wood screws

CODE APPROVED POST APPLICATIONS

POST SIZE	2.5" (64 mm) 2.5" (64 mm) 2.5 x 2.5 (64 mm x 64 mm) Post (IRC)
< 76 cm height decking	Acceptable (Code Approval not Applicable)
IRC Compliant	Yes
IBC Compliant	No

Installing Signature Posts and/or Signature Crossover Posts on Pressure-treated Wood Framing (Corner Post Installation)



1. Install 51 mm x 203 mm cross bracing frame in between joists at 184 mm. Attach a total of twelve 76 mm pressure-treated compatible screws (*not provided*).



2. Install two 51 mm x 203 mm boards as blocking under post location. Securely attach blocking using a total of twenty-four 76 mm pressure-treated compatible screws (*not provided*).

NOTE: TO ENSURE THE BLOCKING IS FULLY SECURE, USE THE AMOUNT OF SCREWS INDICATED ABOVE.

TIP: Use two additional screws to "sandwich" blocking boards together for easier attachment to framing.

Line Post Installation



3. Install two 51 mm x 203 mm cross bracing frames in between joists at 184 mm. Attach a total of twelve 76 mm pressure-treated compatible screws (not provided).



4. Install two 51 mm x 203 mm boards as blocking under post location. Securely attach blocking using a total of twenty-four 76 mm pressure-treated compatible screws (not provided).

INSTALLING SIGNATURE POSTS AND/OR SIGNATURE CROSSOVER POSTS ON WOOD OR CONCRETE/continued

NOTES:

- » Rim joist removed to show proper attachment of hardware.
- » Metal backplate is only required for 64 mm post in IRC installations. (Consult local code official for more information.)
- Insert (2) stainless steel barrier strips under mounting bolt holes. Use composite shims or similar material (not provided) if posts are not plumb. Ensure that post is placed on decking surface so it clears rim joist and there is enough



clearance on underside blocking for back plate to be installed. Attach posts using four 10 mm x 152 mm hex cap bolts, washers, and nuts, along with using aluminum back plate on underside of blocking (back plate only required for 64 mm posts). Back plate **MUST** be installed under decking to ensure this will meet code compliance. *Reference Trex SKU part number ALPOSTHWDECK for required hardware and aluminum plate.*

Installing Pressure-treated Posts, Post Sleeves, and Skirts to Use with Signature Railing

- 6. Attach posts using 13 mm carriage bolts.
- » Minimum joist size is 51 mm x 203 mm.
- » Top bolts must be 25 mm from top of joists.
- » Bottom bolts must be 130 mm from top bolts.

NOTE: Blocking can be added for extra strength.

 Slide post sleeve skirt over post and down to rest on decking surface. Slide post sleeve over post and position inside post sleeve skirt.

NOTE: Shims can be used to plumb post sleeves.





Installing Reveal Posts on Concrete Pre-drill Holes



1. Using post as a template, mark locations of the four holes and drill into concrete at least 67 mm using a 10 mm masonry bit.

NOTE: You can either set drill bit to correct depth on drill or mark drill bit with tape at required dimension to ensure all holes are drilled at correct depth.

2. Clean out holes to remove all concrete dust using a shop vacuum or other appropriate tool.



3. Insert (2) stainless steel barrier stripes under mounting bolt holes. Use appropriate shims if posts are not plumb. Attach posts using four TREX SUPPLIED 10 mm x 95 mm wedge anchors. *Reference SKU part number ALPOSTHWCONC for required hardware (wedge anchors, washers, and nuts).*

NOTES:

- » When using hammer to tap anchors in place, keep threaded nut at top of anchor in order to not damage threads.
- » Recommended torque for anchors is 20 ft-lbs.

TREX SIGNATURE RAILING CONFIGURATIONS



- Cutting posts/post sleeves is **NOT** required.
- A. Signature post, pressure-treated post or Trex Post Mounts* with Trex Transcend post sleeves, or Trex Joist Mount Posts*
- B. Signature top rail
- C. Signature bottom rail
- D. Signature balusters

See page 37 for "How to Install Standard Railing".

***NOTE:** See specific installation instructions for attachment of Trex post mounts or Trex Joist Mount Posts prior to installing any railing.

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Post sleeves WILL NEED TO BE CUT.

- A. Pressure-treated post with Trex Transcend post sleeve
 - **NOTE:** » Only for use with 102 mm x 102 mm post sleeve.
 - » Trex Signature Posts, Trex Post Mounts or Joist Mount Posts cannot be used with Signature[®] Cocktail design.
- B. Deck board top rail. **NOTE:** Contour and Escapes cannot be used.
- C. Signature top rail
- D. Signature bottom rail
- E. Signature balusters
- F. Signature Cocktail Rail Bracket**
- See page 46 for "How to Install Signature Cocktail Railing".

Traditional
 Cutting posts/post sleeves is NOT required.
 A. Pressure-Treated post with Trex Transcend post sleeve
 NOTE: > Only for use with 102 mm x 102 mm or 152 mm x 152 mm post sleeve
 > Trex Signature Posts, Trex Post Mounts or Joist Mount Posts cannot be used with Signature Traditional design.
 B. 51 mm x 102 mm lateral top rail
 C. Signature top rail
 D. Signature bottom rail
 E. Signature balusters

F. Signature Cocktail Rail Bracket**

See page 47 for "How to Install Signature Traditional Railing".

** Signature Cocktail Rail brackets (sold separately) are for use with either Signature Traditional or Signature Cocktail designs. For a 1,8 m section, use 4 brackets and screws provided, for 2,4 m section, use 5 brackets and screws provided.

POST

SLEEVES

WILL

NEED TO

BF CUT

BRACKET HARDWARE - HORIZONTAL APPLICATIONS (INCLUDING HORIZONTAL SWIVEL BRACKETS) TREX SIGNATURE

HORIZONTAL RAILING HARDWARE

AA. Lower rail bracket BB. Lower rail bracket cover CC. Upper rail bracket cover DD. Upper rail bracket



FOOT BLOCK COMPONENTS

EE. Foot block base FF. Foot block support



HORIZONTAL SWIVEL HARDWARE

- GG. Swivel base
- HH. Horizontal swivel bracket top rail
- II. Horizontal swivel bracket top rail cover
- JJ. Horizontal swivel bracket bottom rail cover
- KK. Horizontal swivel bracket bottom rail
- LL. Swivel base cover


HOW TO INSTALL HORIZONTAL RAILING TREX SIGNATURE STANDARD

Attach Brackets Using Signature Posts

TIP: Use a clamp to help hold brackets in place while fastening with screws.



- 1a. If using 5,1 cm post, for both post-to-post and post-to-crossover post configurations, measure 3,8 cm up from top of post base plate (or 4,8 cm from decking surface). Mark with light line.
- 1b. When using 6,35 cm post, measure 3,5 cm from top of post base plate or 4,8 cm from decking surface. Mark with light line.



- 2. Center lower bracket on post **above** the marked line and attach using two self-tapping screws (*provided*).
- 3. Measure up 82,9 cm for 91,4 cm tall railing or 98,1 cm for 106,7 cm tall railing from top of lower rail bracket. Mark with a light line.
- Center upper bracket on post **below** marked line and attach using (3) self-tapping screws (provided).

NOTE: Upper bracket is not required on crossover post configuration.

4

Attach Brackets Using Pressure-treated Posts and Post Sleeves

TIP: Use a clamp to help hold brackets in place while fastening with screws.





- Measure 4,8 cm up from deck surface to bottom of bracket. Slide skirt up to allow for proper measurement, then push skirt back down onto surface of decking **BEFORE ATTACHING BRACKET**. Mark with light line.
- 6. Center lower bracket on post **above** the marked line and attach using two 5,1 cm wood screws (*provided*).





- Measure up 82,9 cm for 91,4 cm tall railing or 98,1 cm for 106,7 cm tall railing from top of lower rail bracket. Mark with a light line.
- 8. Center upper bracket on post **below** marked line and attach using three 5,1 cm wood screws (*provided*).

HOW TO INSTALL HORIZONTAL RAILING/CONTINUED

TREX SIGNATURE STANDARD

NOTES:

- » SIGNATURE RAILINGS ARE DESIGNED TO BE ATTACHED WITH POSTS INSTALLED AT A CLEAR SPAN OF 1,83 M OR 2,44 M.
- » IF INSTALLING AT EXACT SPAN LENGTHS OF 1,83 M OR 2,44 M, AND USING POST-TO-POST CONFIGURATION, THE BOTTOM RAIL WILL NOT NEED TO BE CUT, BUT THE TOP RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » IF INSTALLING AT EXACT SPAN LENGTHS OF 1,83 M OR 2,44 M, AND USING CROSSOVER POST CONFIGURATION (SPANS FROM ONE CROSSOVER POST TO ANOTHER CROSSOVER POST), BOTH THE BOTTOM RAIL AND TOP RAIL WILL NOT NEED TO BE CUT.
- » IN ADDITION, AT ALL FINAL END POST CONFIGURATION, TOP RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » FOR ODD SPAN LENGTHS, BOTH TOP RAIL AND BOTTOM RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT. ENSURE THAT BALUSTERS ARE SPACED WITH AN EQUAL DISTANCE ON EACH SIDE OF THE POST.
- » WHEN RAILINGS ARE CUT TO ODD SPANS, ALL SPANS GREATER THAN 1,52 M (EXAMPLE: 2,44 M SPAN CUT INTO ONE 1,52 M SPAN AND ONE 0,91 M SPAN) WOULD REQUIRE FOOT BLOCK UNDER 1,52 M SPAN SINCE SMALLER FIXED BALUSTER IS NO LONGER CENTERED.

How to Measure and Cut Bottom and Top Railings (WHEN REQUIRED)



- 1. Position bottom and top rails between posts and align with bottom bracket. Align the center baluster slot in both rails with the middle of the span between posts.* This will allow an equal number of baluster holes on each side of center slot. Mark bottom rail and top rail at each end. (Ensure both rails are centered between posts.)
- * In some cases, due to odd railing spans, the center baluster may need to be offset in one direction to ensure there is enough room at both post locations for balusters to be placed. Review this BEFORE cutting any railings to ensure all balusters are equally spaced.

Cutting Bottom Rail and Bottom Rail Cover



2. Cut each end of bottom rail 0,6 cm shorter than mark on each end to allow for fit into bottom rail brackets.



- 3. Slide rail insert out and cut 1,9 cm **FROM EACH SIDE** of insert, then slide back inside rail and center.
- 4. Mark and cut bottom rail cover 3,8 cm shorter than bottom rail.



HOW TO INSTALL HORIZONTAL RAILING/CONTINUED TREX SIGNATURE STANDARD

Cutting Top Rail Option 1: For Post-to-Post Configuration

5a KEY Mark Cut ---- Standard post Standard post Top rail 0.6 cm

5a. Cut each end of top rail 0,6 cm shorter than mark to allow for fit into top rail brackets.

Cutting Top Rail Option 2: For Post-to-Crossover-Post Configuration



5b. Top rail must be cut differently on each side of the rail. Railing side that attaches to standard post should be cut 0,6 cm shorter than the mark to allow for fit into top rail bracket. Railing side that attaches to the crossover post should be cut 1,9 cm
LONGER than the mark to allow for fit into the crossover post bracket.

Cutting Top Rail Option 3: For Crossover-Post-to-Crossover-Post Configuration



5c. Cut each end of top rail 1,9 cm **LONGER** than the mark to allow for fit into the crossover post bracket on each side.

Cutting Top Rail Insert and Cover



- Slide rail insert out and cut 1,9 cm FROM EACH SIDE of insert, then slide back inside rail and center.
- 7. Mark and cut top rail cover same length as top rail for all top rail configurations.



HOW TO INSTALL HORIZONTAL RAILING/CONTINUED

TREX SIGNATURE STANDARD



8. Attach shorter, center baluster in center slot in bottom rail using two #8 x 3,2 cm screws (provided).

Attaching Bottom Rail Cover and Bottom Rail to Brackets



9. Attach "flat" bottom rail cover to bottom rail by first centering cover on bottom rail (this will allow gap on each end of bottom rail for placement into brackets). Align cover on one side of bottom rail in slot on side of rail. Then starting from one end of rail snap cover onto opposing slot working down the length of rail. In some cases, a **rubber mallet** may facilitate the fastening using **GENTLE** tapping.



- 10. Set bottom rail into bottom brackets. Tabs on brackets will be inside of bottom rail (not shown when railing is attached). To ensure fit into tab, measure and mark 1,3 cm out from side of post.
- 11. Attach bottom rail to bottom bracket by fastening through marked measurement on top of rail into tab on bottom bracket using one self-tapping screw each side (*provided*).

NOTE: Pre-drilling is recommended (2,8 mm drill bit) for attachment of railing to bracket.

Installing Remaining Balusters into Bottom Rail



12. Place remaining balusters into holes in lower rail by snapping fully into place. In some cases, a **rubber mallet** may facilitate the fastening using **GENTLE** tapping.

40

HOW TO INSTALL HORIZONTAL RAILING/CONTINUED TREX SIGNATURE STANDARD

Attach Upper Railings



- 13. Working from one end of upper rail, snap balusters into upper rail working down length of rail. Fasten center baluster into center slot using two #8 x 3,2 cm screws (provided).
- 14. For post- to-post configuration, fasten upper rail to each bracket by installing screws diagonally through upper rail into bracket using two selftapping screws each side (provided).



NOTE: Pre-drilling is recommended (2,8 mm drill bit) for attachment of railing to bracket.

15. For crossover post configuration, fasten upper rail to crossover post by installing screws diagonally through upper rail into post using two self-tapping screws each side (provided).



NOTE: Pre-drilling is recommended (2,8 mm drill bit) for attachment of railing to post.



16. Attach "crowned" upper rail cover to upper rail by aligning cover on one side of rail. Then starting from one end of rail, snap cover onto opposing slot working down length of rail. A **rubber mallet** may facilitate the fastening using **GENTLE** tapping.

HOW TO INSTALL HORIZONTAL RAILING/CONTINUED TREX SIGNATURE STANDARD

Attachment of Bracket Covers, Skirts, and Caps



- 17. Attach corresponding bracket covers over opening in upper and bottom rails.
- 18. Attach provided post skirt to bottom of posts when using Signature posts.





- 19. Attach post caps to Signature posts (use of **rubber mallet** may be required for secure attachment).
- 20. Attach post caps to post sleeves using external grade PVC construction adhesive.
- 21. For crossover post configuration, attach crossover post cap to crossover post.



INSTALLATION OF HORIZONTAL SWIVEL BRACKETS TREX SIGNATURE STANDARD

Attach Swivel Bracket Base using Signature Posts

TIP: Use a clamp to help hold brackets in place while fastening with screws.



- 1a. When using 5,1 cm post, for both post-to-post and post-to-crossover-post configurations, measure 3,8 cm up from top of post base plate (or 4,8 cm from decking surface). Mark with light line.
- 1b. When using 6,35 cm post, measure 3,5 cm from top of post base plate (or 4,8 cm from decking surface). Mark with light line.



- 2. Center lower bracket on post **above** the marked line and attach using four self-tapping screws (*provided*).
- 3. Measure up 82 cm for 91,4 cm tall railing or 97,3 cm for 106,7 cm tall railing from top of lower rail bracket. Mark with a light line.
- 4. Center upper bracket on post **below** marked line and attach using four self-tapping screws (*provided*).

NOTE: Upper bracket is not required on crossover post configuration.



Attach Brackets Using Pressure-treated Posts and Post Sleeves

TIP: Use a clamp to help hold brackets in place while fastening with screws.





- Measure 4,8 cm up from deck surface to bottom of bracket. Slide skirt up to allow for proper measurement, then push skirt back down onto surface of decking **BEFORE ATTACHING BRACKET**. Mark with light line.
- 6. Center lower bracket on post **above** the marked line and attach using four 5,1 cm wood screws (*provided*).





- Measure up 82 cm for 91,4 cm tall railing or 97,3 cm for 106,7 cm tall railing from top of lower rail bracket. Mark with a light line.
- 8. Center upper bracket on post **below** marked line and attach using four 5,1 cm wood screws (*provided*).

INSTALLATION OF HORIZONTAL SWIVEL RAILING

TREX SIGNATURE STANDARD

NOTES:

- » WHEN USING SIGNATURE HORIZONTAL SWIVEL BRACKETS, BOTH BOTTOM AND TOP RAILS WILL NEED TO BE MEASURED AND CUT TO APPROPRIATE LENGTHS.
- » HORIZONTAL SWIVEL BRACKETS CAN BE USED UP TO A 50° ANGLE FOR SIGNATURE RAILINGS.
- » WHEN USING HORIZONTAL SWIVEL BRACKETS, IT IS VERY IMPORTANT TO LAY OUT LOCATION AND ORIENTATION OF POSTS AND SWIVEL BRACKETS BEFORE INSTALLING SWIVEL BRACKETS.
- » WHEN RAILINGS ARE CUT TO ODD SPANS, ALL SPANS GREATER THAN 1,52 M (EXAMPLE: 2,44 M SPAN CUT INTO ONE 1,52 M SPAN AND ONE 0,91 M SPAN) WOULD REQUIRE FOOT BLOCK UNDER 1,52 M SPAN SINCE SMALLER FIXED BALUSTER IS NO LONGER CENTERED.

How to Measure and Cut Bottom and Top Railings



 With brackets in correct swivel location, measure distance from inside of bracket to inside of bracket. ENSURE THAT BEFORE CUTTING, BALUSTERS HOLES ON BOTH BOTTOM AND TOP RAIL LINE UP. ALSO MAKE SURE CENTER BALUSTER SLOT IS AS CLOSE TO THE MIDDLE OF THE SPAN AS POSSIBLE. In some cases, due to odd railing spans, the center baluster may need to be offset in one or the other direction to ensure there is enough room at both post locations for balusters to be placed.

Cutting Bottom Rail and Bottom Rail Cover



2. Cut bottom rail to the measurement between the bottom swivel brackets.



- 3. Slide rail insert out and cut 1,9 cm **FROM EACH SIDE** of insert, then slide back inside rail and center.
- 4. Mark and cut bottom rail cover 3,8 cm shorter than bottom rail.



INSTALLATION OF HORIZONTAL SWIVEL RAILING/CONTINUED

Cutting Top Rail Option 1: For Post-to-Post Configuration



5a. Cut top rail to the measurement between the top swivel brackets. For standard-post-to-standardpost configurations this would be same dimensions as that of the bottom rail.

Cutting Top Rail Option 2: For Post-to-Crossover-Post Configuration



5b. When going from standard-post-to-crossover-post, measurement must be taken from inside of top horizontal swivel bracket to inside lip of crossover bracket (which is attached to top of crossover post).

Cutting Top Rail Insert and Cover



- Slide rail insert out and cut 1,9 cm FROM EACH SIDE of insert, then slide back inside rail and center.
- Mark and cut top rail cover same length as top rail for all top rail configurations.



- 8. Attaching Center Baluster to Bottom Rail See instructions on page 40.
- 9. Attaching Bottom Rail Cover and Bottom Rail to Brackets See instructions on page 40.
- 10. **Installing Remaining Balusters into Bottom Rail** See instructions on page 40.
- 11. **Attach Upper Railings** See instructions on page 41.
- 12. Attachment of Bracket Covers, Skirts, and Caps See instructions on page 42.
- 13. Attachment of Foot Block (Required ONLY for All Clear Span Applications Over 1,83 m) See instructions on page 48.

HOW TO INSTALL SIGNATURE COCKTAIL RAILING TREX SIGNATURE



Important: ONLY for use with pressure-treated 102 mm x 102 mm post (89 mm nominal square) and 102 mm x 102 mm post sleeve. Trex Signature posts, Trex post mounts or joist mount posts cannot be used with Signature Cocktail railing. Cutting post and post sleeve **ONLY** apply to the Cocktail style railing.

1a

Installing Pressuretreated Posts, Post Sleeves,and Skirts to Use with Signature Railing



- 1a. Attach posts using 13 mm carriage bolts.
 - » Minimum joist size is 51 mm x 203 mm.
 - » Top bolts must be 25 mm from top of joists.
 - » Bottom bolts must be 130 mm from top bolts.

NOTE: Blocking can be added for extra strength.

1b. Slide post sleeve skirt over post and down to rest on decking surface. Slide post sleeve over post and position inside post sleeve skirt.



NOTE: Shims can be used to plumb post sleeves.

Cutting Post and Post Sleeve

- Mark and cut post and post sleeve measuring from deck surface:
 - » 915 mm for 914 mm height.
 - » 1068 mm for 1067 mm height.



- 3. **Installing Horizontal Fixed Brackets** See instructions on page 37.
- 4. **Installing Horizontal Swivel Brackets** See instructions on page 43.
- 5. **Cutting Railings for Horizontal Fixed Brackets** See instructions on page 38.
- 6. **Cutting Railings for Horizontal Swivel Brackets** See instructions on page 44.
- 7. **Attaching Center Baluster to Bottom Rail** See instructions on page 40.
- 8. Attaching Bottom Rail Cover and Bottom Rail to Brackets See instructions on page 40.
- 9. **Installing Remaining Balusters into Bottom Rail** See instructions on page 40.
- 10. **Attaching Top Rail and Top Rail Cover** See instructions on page 41. **NOTE:** Top Bracket Covers are not attached in this configuration.
- 11. Attaching Deck Board to Top Rail Place deck boards

(**DO NOT** use Escapes or Contour deck boards for top rail) over top rails. Attach boards on each post with Trex-recommended composite screws (quantity of 2 per each board end).



HOW TO INSTALL SIGNATURE COCKTAIL RAILING/CONTINUED TREX SIGNATURE

12. Secure boards to top rail using Signature Cocktail Bracket (sold separately). Ensure that there is a bracket at each end of the railing section, then space brackets approximately every 61 cm and attach with 4 screws provided.



NOTE: Pre-drilling before attachment is recommended.

13. Use scarf cut for posts where two deck boards meet.

NOTES:

» If installing in weather below 4.5°C, leave 3 mm gap between deck boards.



» Deck boards can overhang end of last post maximum 13 mm.

14. Attachment of Bottom Bracket Covers and Skirts

See instructions on page 42.

HOW TO INSTALL SIGNATURE TRADITIONAL RAILING TREX SIGNATURE®



Important: ONLY use for use with pressure-treated 102 mm x 102 mm post (89 mm nominal square) and 102 mm x 102 mm or 152 mm x 152 mm post sleeve. Trex Signature Posts, Trex Post Mounts or Joist Mount Posts cannot be used with Signature Traditional railing.

1. Installing Posts, Post Sleeve Skirts and Post Sleeves

See instructions on page 33.

- 2. **Installing Horizontal Fixed Brackets** See instructions on page 37.
- 3. **Installing Horizontal Swivel Brackets** See instructions on page 43.
- 4. Cutting Railings for Horizontal Fixed Brackets

See instructions on page 38.

- 5. **Cutting Railings for Horizontal Swivel Brackets** See instructions on page 44.
- 6. **Attaching Center Baluster to Bottom Rail** See instructions on page 40.
- 7. Attaching Bottom Rail Cover and Bottom Rail to Brackets See instructions on page 40.
- 8. **Installing Remaining Balusters into Bottom Rail** See instructions on page 40.

9. **Attaching Top Rail and Top Rail Cover** See instructions on page 41. Note: Top Bracket Covers are not attached in this configuration.

10. Attaching 51 mm x 102 mm to Top Rail Measure between posts and cut 51 mm x 102 mm to length.



SIGNATURE RAILING

HOW TO INSTALL SIGNATURE TRADITIONAL RAILING/CONTINUED TREX SIGNATURE

11. Place 51 mm x 102 mm on Signature top rail.



12. Secure 51 mm x 102 mm to top rail using Signature Cocktail Bracket (sold separately). Ensure that there is a bracket at each end of the railing section, then space brackets approximately every 6,10 cm and attach with 4 screws provided.



13. Pre-drill a pilot hole and toenail 6,4 cm screw at each end of 51 mm x 102 mm into post on back side of rail (side not facing decking).



14. Attachment of Bottom Rail Bracket Covers and Caps See instructions on page 42.

NOTE: Pre-drilling before attachment is recommended.

HOW TO INSTALL FOOT BLOCKS-HORIZONTAL RAILING TREX SIGNATURE®

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Attachment of Foot Block (Required ONLY for All Clear Span Applications Over 1,83 m)



1. To ensure correct location, place foot block under center of bottom rail. Mark to provide placement location of base. 2. Place base (smaller side facing down) on decking surface. Attach base of foot block using one screw at an angle through base and into decking.



NOTE: Pre-drilling is recommended (0,32 cm drill bit) for attachment of base.

3. After attached, use a **rubber mallet along with scrap piece of wood** to tap foot block until it locks into place.



BRACKET HARDWARE - STAIR APPLICATIONS (INCLUDING STAIR SWIVEL BRACKETS, STAIR CROSSOVER BRACKET, AND COMPOUND SWIVEL BRACKETS)

TREX SIGNATURE

FIXED BRACKET - STAIR HARDWARE

- AA. Bottom Stair Bracket and Cover – Lower Rail
- BB. Top Stair Bracket and Cover – Lower Rail
- CC. Fastener Pack
- DD. Bottom Stair Bracket and Cover – Upper Rail
- EE. Top Stair Bracket and Cover – Upper Rail



SWIVEL BRACKET - STAIR HARDWARE

- FF. Swivel Top Rail Bracket and Cover Stair
- GG. Swivel Bottom Rail Bracket and Cover Stair
- HH. Fastener Covers
- II. Fastener Pack



BRACKET HARDWARE - STAIR APPLICATIONS (INCLUDING STAIR SWIVEL BRACKETS, STAIR CROSSOVER BRACKET, AND COMPOUND SWIVEL BRACKETS)/continued

TREX SIGNATURE

COMPOUND SWIVEL BRACKET - STAIR HARDWARE

- JJ. Compound Swivel Top Rail Bracket and Cover – Stair
- KK. Compound Swivel Bottom Rail Bracket and Cover – Stair
- LL. Fastener Covers
- MM. Fastener Pack



SWIVEL CROSSOVER BRACKET KIT - STAIR HARDWARE

- NN. Swivel Crossover Bracket Stair
- 00. Post-to-Bracket Fasteners





HOW TO INSTALL SIGNATURE STAIR POSTS AND STAIR RAILING TREX SIGNATURE

IMPORTANT NOTES:

- » SIGNATURE POSTS CANNOT BE USED WITH SIGNATURE TRADITIONAL OR SIGNATURE COCKTAIL STAIR DESIGNS, ONLY PRESSURE-TREATED POST/POST SLEEVES CAN BE USED. REFER TO DETAILED INSTRUCTIONS FOR MORE INFORMATION.
- » ALL SIGNATURE STAIR INSTALLATIONS REQUIRE THE USE OF 134,6 CM STAIR POST, MEASURED AND CUT TO APPROPRIATE LENGTH IF REQUIRED.
- » IF CROSSOVER STAIR POST IS REQUIRED, USE STAIR POST (AGAIN CUT TO APPROPRIATE LENGTH IF REQUIRED) AND USE SWIVEL CROSSOVER BRACKET.
- » SIGNATURE STAIR FIXED BRACKETS ARE DESIGNED TO WORK ONLY WITH STAIR SLOPES OF 32°-37°.
- » FOR SMALLER (LESS THAN 32°) OR LARGER ANGLES (GREATER THAN 37°), USE THE SIGNATURE STAIR SWIVEL BRACKETS.
- » SIGNATURE COMPOUND SWIVEL STAIR BRACKETS ARE DESIGNED FOR FLARED STAIR DESIGNS.
- » IF INSTALLING STAIR RAILINGS AT EXACT SPAN LENGTHS OF 1,8 M OR 2,4 M AND USING POST TO POST CONFIGURATION, THE BOTTOM STAIR RAIL WILL NOT NEED TO BE CUT*, BUT THE TOP STAIR RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » IF INSTALLING STAIR RAILINGS AT EXACT SPAN LENGTHS OF 1,8 M OR 2,4 M, AND USING CROSSOVER POST CONFIGURATION (SPANS FROM ONE CROSSOVER POST TO ANOTHER CROSSOVER POST), BOTH THE BOTTOM AND TOP STAIR RAILS WILL NOT NEED TO BE CUT* IF THE ANGLE IS APPROXIMATELY 34°.
- » AT ALL FINAL END POST CONFIGURATIONS, TOP STAIR RAIL WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT.
- » FOR ODD SPAN LENGTHS, BOTH BOTTOM AND TOP STAIR RAILS WILL NEED TO BE MEASURED (MAKING SURE BALUSTERS LINE UP VERTICALLY) AND CUT. ALSO ENSURE THAT BALUSTERS ARE SPACED WITH EQUAL DISTANCE ON EACH SIDE OF THE POST.
- » RAILS THAT DO NOT REQUIRE CUTTING MUST BE ORIENTED IN THE CORRECT DIRECTION TO ENSURE BALUSTERS ARE SPACED PROPERLY WHEN INSTALLED IN BRACKETS. ON BOTH BOTTOM AND TOP STAIR RAILINGS, BALUSTER HOLE CLOSEST TO THE END OF THE EACH STAIR RAIL IS TO BE INSTALLED AT THE TOP OF THE STAIR SECTION. ENSURE THAT BOTH BOTTOM AND TOP RAILS ARE CORRECT AND BALUSTERS LINE UP VERTICALLY BEFORE INSTALLING.

Installing Standard Signature Stair Posts, Signature Stair Crossover Posts, or Pressuretreated Post, Post Sleeves and Skirts

- 1. Make sure 135,6 cm posts are used for all stair posts.
- 2. If Signature stair posts are used, install at nose of stair tread directly under required blocking. See Signature horizontal post instructions on page 33 for details.
- 3. If pressure-treated post/ post sleeves are used, posts are to be installed to the inside of the last stair stringer (rails must be over decking surface). See pressure-treated post instructions on page 34 for details.





TREX SIGNATURE

NOTES:

- » All Signature fixed stair brackets work ONLY with stair slopes of 32°-37°.
- » Illustrations shown are representations when using Signature post, but same rules apply if using pressure-treated posts and post sleeves.
- » Use a clamp to help hold stair brackets in place while fastening with screws.
- » IMPORTANT NOTE: BEFORE ATTACHING ANY UPPER BRACKETS, MAKE SURE PROPER RAILING HEIGHTS ARE ACHIEVED. RAILING HEIGHTS AND UPPER BRACKET HEIGHTS MAY NEED TO BE ADJUSTED, HOWEVER, DO NOT REDUCE HEIGHTS BASED ON YOUR RAILING CODE REQUIREMENTS. MEASURE CAREFULLY as dimension heights may need to be adjusted!



1. Lay bottom stair rail on steps beside posts. Position bottom rail at least 2,5 cm **above** nose of stair tread.

TIP: Use a 2,5 cm deck board as a spacer board and clamp rails to post. Mark where lower brackets are to be attached to both posts. Mark at underside of railing location.

Installing Lower Fixed Stair Brackets



2. Center lower stair bracket on post above the marked line and attach using two self-tapping screws (*provided*). In some cases it may be difficult to attach the stair bracket on the lower stair post. Recommend using a 90° cordless drill in this area if possible to attach screws.

Installing Lower Stair Swivel and Compound Swivel Brackets

NOTE: Picture reflects lower stair swivel bracket.



3. Center lower stair swivel bracket on post above the marked line and attach using four self-tapping screws (*provided*). In some cases it may be difficult to attach the stair bracket on the lower stair post. Recommend using a 90° cordless drill in this area if possible to attach screws.

TREX SIGNATURE

Installing Upper Fixed Stair Brackets



4. Measure up required dimension for 91,4 cm tall railing or 106,7 cm tall railing, from top of lower stair rail fixed bracket. Mark with light line.



5. Center upper stair fixed bracket on post **below** the marked line and attach using two self-tapping screws (*provided*).

Installing Upper Stair Swivel And Compound Swivel Brackets

6. Measure up required dimension for 91,4 cm tall railing or for 106,7 cm tall railing, from top of lower stair rail swivel bracket. Mark with light line.





7. Center upper stair swivel bracket on post **below** the marked line and attach using four self-tapping screws (*provided*).

NOTE: Upper bracket is not required on crossover post configurations.

How to Measure Bottom Stair Railings (WHEN REQUIRED)

When Using Fixed Stair Brackets:



1a. Position bottom stair rail along the nose of the stair treads. Ensure that before cutting, balusters holes are centered in between the posts and also allow for clearance for attachment to brackets. Mark bottom stair rail at each intersection.

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TREX SIGNATURE

When using Stair Swivel and Compound Swivel Brackets:



1b. With brackets in correct swivel locations, measure distance from inside of swivel bracket to inside of swivel bracket. Ensure that before cutting, balusters holes are parallel and centered in between the posts and also allow for clearance for attachment to brackets. Mark bottom stair rail at each intersection.

Cutting Bottom Stair Rail, Bottom Stair Rail Cover, and Attachment of Bottom Stair Rail Cover

When using Fixed Stair Brackets:

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2a. Cut each end of the bottom stair rail, rail insert, and bottom rail cover 0,6 cm shorter than the mark on each end to allow for fit into bottom stair rail brackets.

NOTE: Railing does not need to be cut at angle. Brackets are designed to allow for railing to be installed with standard straight cut. When using Stair Swivel or Compound Swivel Brackets:



2b. Cut each end of the bottom rail, rail insert, and bottom rail cover at the mark on each end to allow for fit into bottom stair rail brackets.

NOTE: Railing does not need to be cut at angle. Brackets are designed to allow for railing to be installed with standard straight cut.

Attachment of Bottom Stair Rail Cover and Bottom Stair Rail to Brackets



3. Attach "flat" bottom stair rail cover to bottom stair rail. Align cover on one side of the bottom rail in slot on side of rail. Then starting from one end of rail snap cover onto opposing slot working down the length of the rail. In some cases, a **rubber mallet** may facilitate the fastening using **GENTLE** tapping.

TREX SIGNATURE



4. Set bottom stair rail into bottom stair rail brackets. Attach bottom stair rail to bottom stair bracket using two self-tapping screws (*provided*) on each side of bracket.

How to Measure Top Stair Railings (WHEN REQUIRED):

IMPORTANT NOTE: BEFORE CUTTING ANY TOP RAILS, MAKE SURE THAT WHEN MEASURING ALL BALUSTER HOLES LINE UP PARALLEL!

When Using Fixed Stair Brackets:

5a. Place two balusters into lower rail at each end closest to post.





5b. Position top rail onto balusters (position to side of post) and ENSURE that balusters are parallel with post. Mark top stair rail at each intersection.

When using Stair Swivel and Compound Swivel Brackets:

5c. Place two balusters into lower rail at each end closest to post.





5d. Position top rail onto balusters (position to side of post) and ENSURE that balusters are parallel with post. With brackets in correct swivel location, measure distance from inside of swivel bracket to inside of swivel bracket. Mark top stair rail at each intersection.

TREX SIGNATURE

Attaching Stair Crossover Swivel Bracket to Post



6. Insert stair crossover swivel bracket into post.

NOTE: Keep the bracket cover on when inserting this into post, this will cover the screw attachment area.



7. Determine location/height of the stair crossover swivel bracket by aligning the angle of this with the fixed brackets (or compound swivel brackets) already installed.



8. Once location/height is determined, center and predrill two holes (using a drill bit slightly smaller than that of self-tapping screw diameter) on opposite sides of post, approx. 6,35 mm from top of post. Drill through the post and into the stair crossover swivel bracket on each side.



9. Attach stair crossover swivel bracket to post with two self-tapping screws (*provided*). Slide cover over post to hide screws.

NOTE: Construction methods are always improving. Please refer to www.trex.com for the most up-to-date installation requirements.

TREX SIGNATURE

Cutting Top Stair Rail and Rail Insert Option 1: For Stair-Post-to-Stair-Post Configuration

When Using Fixed Stair Brackets:



10a. Cut each end of top stair rail along with rail insert 0,6 cm shorter than mark to allow for fit into top stair rail bracket.

NOTE: Railing does not need to be cut at angle. Brackets are designed to allow for railing to be installed with standard straight cut.

When using Upper Stair Swivel and Compound Swivel Brackets:



10b. Cut top rail along with rail insert to the measurement between the top stair swivel brackets. For standard post to standard post configurations this would be same dimensions as that of the bottom stair rail.

Cutting Top Stair Rail and Insert Option 2:

For Stair-Post-to-Stair-Crossover-Post Configuration

When Using Fixed Stair Brackets:



11a. Top stair rail along with rail insert must be cut differently on each side of the rail. Railing side that attaches to standard post should be cut 0,6 cm shorter than the mark to allow for fit into top rail bracket. Railing side that attaches to the crossover post should be cut directly on the mark to allow for fit into the crossover post bracket.

When using Upper Stair Swivel and Stair Crossover Swivel Brackets:



11b. When going from standard stair post to stair crossover post, measurement must be taken from inside of top horizontal stair swivel bracket to inside lip of stair crossover bracket (crossover post will need to be modified to have swivel crossover bracket installed).

TREX SIGNATURE

Cutting Top Stair Rail and Rail Insert Option 3: For Stair-Crossover-Post-to-Stair-Crossover-Post

Configuration

12a. Cut each end of the top stair rail along with rail insert on the mark line to allow for fit into the crossover post bracket on each side.

Cutting Top Stair Rail Cover, and Attachment of Top Stair Rail Cover

13. Mark and cut top rail cover same length as top rail for all top rail configurations.





14. Attach "crowned" upper stair rail cover to upper stair rail by aligning cover on one side of rail. Then starting from one end of stair rail, snap cover onto opposing slot working down length of stair rail. A **rubber mallet** may facilitate the fastening using **GENTLE** tapping.

Installing Balusters into Bottom Stair Rail

15. Place balusters into holes in lower stair rail by snapping fully into place. In some cases, a **rubber mallet** may facilitate the fastening using **GENTLE** tapping.



Attaching Upper Stair Rails

16. Working from one end of upper stair rail, snap balusters into upper stair rail working down length of rail.



17a

- 17a. For stair post to post configuration, attach top stair rail to top stair bracket (all types) using two self-tapping screws (*provided*) on each side of stair bracket.
- 17b. For stair crossover post configuration, fasten upper stair rail to swivel crossover post bracket by installing screws diagonally through crossover stair bracket into upper rail using two self-tapping screws (provided) on each side.

NOTE: Pre-drilling is recommended (0,28 cm drill bit) for attachment of stair railing to stair bracket.

Attachment of Stair Bracket Covers, Skirts, and Caps



- 18. Attach corresponding bracket covers over opening in upper and bottom rails.
- 19. Attach provided post skirt to bottom of posts when using Signature posts.





- 20. Attach post caps to Signature posts (use of **rubber mallet** may be required for secure attachment).
- 21. Attach post caps to post sleeves using external grade PVC construction adhesive.



HOW TO INSTALL SIGNATURE COCKTAIL STAIR RAILING TREX SIGNATURE



IMPORTANT NOTES:

- » Only for use with pressure-treated 102 mm x 102 mm post (89 mm nominal square) and 102 mm x 102 mm post sleeve. Trex Signature posts, Trex post mounts or joist mount posts cannot be used with Signature Cocktail stair railing. Cutting post and post sleeve only apply to the Cocktail style railing.
- » DO NOT CUT POST/POST SLEEVES UNTIL TOP RAILING AND COVER IS FULLY INSTALLED.
- » When referring to previous instructions referenced, disregard all crossover post instructions as these cannot be used with Cocktail railing.
- » THE DECK BOARD USED IN SIGNATURE COCKTAIL WILL NEED TO TERMINATE AT THE TOP OF THE POST AS SHOWN ABOVE. THE DECK BOARD WILL HAVE TO BE TOENAILED INTO THE SIDE OF THE POST IN THESE AREAS USING 2 APPROPRIATE COMPOSITE DECKING SCREWS – PRE-DRILLING IS RECOMMENDED.

Installing Pressure-treated Posts, Post Sleeves, and Skirts to Use with Signature Railing

1. See instructions on page 51.

Installing Brackets

2. Follow previous stair instructions for the installation of desired brackets making sure that all dimensions are calculated before installation to ensure deck board is placed in correct location. *See instructions on pages 52-53.*

Cutting Bottom Stair Rail, Bottom Stair Rail Cover and Attachment of Bottom Stair Rail Cover

3. See instructions on page 54.

How to Measure Top Stair Railings (WHEN REQUIRED)

4. See instructions on page 55.

Cutting Top Stair Rail and Rail Insert When Using Fixed Stair Brackets



5a Cut each end of top stair rail along with rail insert 0,46 cm shorter than mark to allow for fit into top

stair rail bracket. NOTE THAT THE TOP RAIL WILL NEED TO BE CUT AT APPROPRIATE ANGLE ON THE END OF THE RAIL THAT CONNECTS TO THE UPPER FIXED BRACKET SO THAT WHEN THE RAIL IS INSTALLED IT SITS FLUSH WITH THE



END OF THE BRACKET AS SHOWN.

Cutting Top Stair Rail and Rail Insert When Using Upper Stair Swivel and Compound Swivel Brackets

5b. See instructions on page 57.

Cutting Top Stair Rail Cover, and Attachment of Top Stair Rail Cover

6. See instructions on page 58.

Installing Balusters into Bottom Stair Rail

7. See instructions on page 58.

Attaching Upper Stair Rails

8. See instructions on page 59.

HOW TO INSTALL SIGNATURE COCKTAIL STAIR RAILING TREX SIGNATURE/CONTINUED

Cutting Post and Post Sleeve and Attaching Deck Board to Top Rail

 Cut post and post sleeves at proper angle so these are flush with the top of the top brackets and/or top rail cover. BE CAREFUL to not CUT brackets.



10. Place deck boards (**DO NOT** use Escapes or Contour deck boards for top rail) over top rails. PLACE DECK BOARD ON TOP RAIL TO CHECK FOR PROPER FIT AND RAIL CLEARANCE FIRST AT BRACKET LOCATIONS. DECK



BOARD MAY REQUIRE EITHER A NOTCH CUT ON THE UNDERSIDE OR SLIGHT PLANING ON THE UNDERSIDE TO ALLOW DECK BOARD TO CLEAR TOPS OF BRACKETS AND SIT FLUSH ON TOP OF POSTS AND RAILS. Attach boards on each post with Trex-recommended composite screws (quantity of 2 per each board end).

11. Secure boards to top rail using Signature Cocktail Bracket (sold separately). Ensure that there is a bracket at each end of the stair railing section, then space brackets approximately every 61 cm and attach with 4 screws provided.



NOTE: Pre-drilling before attachment is recommended.

12. Use scarf cut for posts where two deck boards meet.

NOTES:

- » If installing in weather below 4.5°C, leave 3 mm gap between deck boards.
- » Deck boards can overhang end of last post maximum 13 mm.
- 13. Where deck board terminates at top of post horizontal deck board, PRE-DRILL and toenail two approved composite deck screws as shown into post, being careful to avoid hitting stair bracket.





Attachment of Bracket Covers and Skirts

14. See instructions on page 59.

NOTE: Top Bracket Covers are not attached in this configuration.

HOW TO INSTALL SIGNATURE TRADITIONAL STAIR RAILING TREX SIGNATURE



Important: ONLY use for use with pressure-treated 102 mm x 102 mm post (89 mm nominal square) and 102 mm x 102 mm or 152 mm x 152 mm post sleeve. Trex Signature Posts, Trex Post Mounts or Joist Mount Posts cannot be used with Signature Traditional railing.

Installing Standard Signature Stair Posts, or Pressure-treated Post

1. See instructions on page 51.

Attaching Stair Brackets

2. See instructions on page 52.

Installing Lower Fixed Stair Brackets

3. See instructions on page 52.

Installing Lower Stair Swivel and Compound Swivel Brackets

4. See instructions on page 52.

Installing Upper Fixed Stair Brackets

5. See instructions on page 53.

Installing Upper Stair Swivel And Compound Swivel Brackets

6. See instructions on page 53.

How to Measure Bottom Stair Railings When Using Fixed Stair Brackets

7. See instructions on page 53.

How to Measure Bottom Stair Railings When using Stair Swivel and Compound Swivel Brackets

8. See instructions on page 54.

Cutting Bottom Stair Rail, Bottom Stair Rail Cover

9. See instructions on page 54.

Attachment of Bottom Stair Rail Cover and Bottom Stair Rail to Brackets 10. See instructions on page 54.

How to Measure Top Stair Railings When Using Fixed Stair Brackets

11. See instructions on page 55.

How to Measure Top Stair Railings When Using Stair Swivel and Compound Swivel Brackets

12. See instructions on page 55.

Cutting Top Stair Rail and Rail Insert When Using Fixed Stair Brackets

13. See instructions on page 57.

Cutting Top Stair Rail and Rail Insert When Using Upper Stair Swivel and Compound Swivel Brackets

14. See instructions on page 57.

Attachment of Top Stair Rail Cover

15. See instructions on page 58.

Installing Balusters into Bottom Stair Rail

16. See instructions on page 58.

Attaching Upper Stair Rails

17. See instructions on page 59.

Attaching 51 mm x 102 mm Rail to Top Rail



18. Place 51 mm x 102 mm beside top rail. Mark and cut. (Both ends need to be cut on an angle for proper fit.)

HOW TO INSTALL SIGNATURE TRADITIONAL STAIR RAILING/CONTINUED TREX SIGNATURE

19. Place 51 mm x 102 mm on Signature top stair rail.



20. Secure 51 mm x 102 mm to top rail using Signature Cocktail Bracket (sold separately). Ensure that there is a bracket at each end of the railing section, then space brackets approximately every 61 cm and attach with 4 screws provided.



NOTE: Pre-drilling before attachment is recommended.

21. Pre-drill a pilot hole and toenail 6,4 cm screw at each end of 51 mm x 102 mm into post on back side of rail (side not facing decking).



Attachment of Lower Stair Bracket Covers, Skirts, and Caps

22. See instructions on page 59.

NOTE: Top Bracket Covers are not attached in this configuration.

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INSTALLING ALUMINUM GATE

» SEE PAGE 31 FOR SKU NUMBERS



- 1. Measure opening between posts (gates can be customized to fit nearly any opening up to 1219 mm wide).
- 2. Subtract 48 mm from above measurement. This will allow for proper gapping and location of gate.



3. Identify top and bottom of panel.

NOTE: The posts only fit in one direction.



4. Lay panel on a flat non-marring surface. Place posts on top of panel. Place posts so that width measurement from Step 2 is to the outside of each post.



5. Adjust posts so that cut marks do not fall on a baluster. Make sure distance from first baluster to post is the same on both sides. Mark cut locations on panel.

NOTE: If widths do fall on a baluster, cut baluster flush at top and bottom prior to cutting panel.



6. Cut panel using a reciprocating saw (equipped with a metal blade).



7. Insert posts into panel.

NOTE: Make sure top and bottom of panel orientation is correct.

INSTALLING ALUMINUM GATE/continued



- 8. Secure posts to panel with four #8-18 short self-tapping screws (*provided*) in each location.
- 9. Attach shorter side of hinge to the gate.

NOTE: Refer to instructions included in hardware package. Be sure to use correct fasteners for aluminum. See chart below.



MINIMUM FASTENER SIZE			
SCREWS			
Туре	Length	No.	
Wood Screw	64 mm	#9	
Metal Screw	51 mm	#8-18	

NOTE: Use of non-Trex hardware is not recommended and could result in serious injury or death.



 Place gate in opening on blocks. Sweep between bottom of gate and top of deck cannot exceed 102 mm per IRC/IBC code regulations. Ensure bottom gate posts will be high enough to clear skirts on bottom of deck posts.

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11. Make sure posts are plumb and gate is level. Attach longer side of hinges to post using appropriate hardware for type of post installed. Install hinge cover.

NOTES:

- » Both wood and aluminum screws are included in hardware kit. (Refer to chart under Step 9.)
- » If using Trex Post Mounts with Post Sleeves, pre-drilling is required using 3 mm drill bit, as you must go through both aluminum sleeve and internal post.
- 12. After determining location and height of hinge and hasp, install per instructions included with hardware kit.
- 13. Ensure proper operation of gate. Hinge tension is adjustable (check hardware kit instructions for more detail).
- 14. After gate installation, place blocks under gate for support. Use a rubber mallet to install cap onto gate post. *Repeat for other gate post cap.* Snap all hinge covers into place.



WARRANTIE



TREX TRANSCEND[®], TREX ENHANCE[®], AND TREX[®] UNIVERSAL FASCIA LIMITED FADE AND STAIN WARRANTY

For the term set forth below, Trex Company, Inc. (hereinafter "Trex") warrants to the original end-user purchaser (the "Purchaser") that Trex Transcend® decking, porch or fascia, Trex Enhance® decking or fascia, or Trex Universal Fascia, as the case may be (the "Product") will perform, under normal use and service conditions, as follows:

Term of Warranty: The term of this warranty shall begin on the date of original purchase, and shall end (1) twenty-five (25) years thereafter for a residential application of the Product, and (2) ten (10) years thereafter for a commercial application of the Product.

Residential/Commercial Application: For purposes of this warranty, a "residential application" shall refer to an installation of the Product on an individual residence, and a "commercial application" shall refer to any installation of the Product other than on an individual residence.

Fade Resistance: The Product shall not fade in color from light and weathering exposure as measured by color change of more than 5 Delta E (CIE) units.

The Product is designed to resist fading. No material is fade proof when exposed to years of UV exposure and the elements. The Product is designed to resist fading, and will not in any event fade by more than 5 Delta E (CIE) units.

Stain Resistance: The Product shall be resistant to permanent staining resulting from spills of food and beverage items including ketchup, mustard, salad oils, tea, wine, coffee, fruit punch, barbeque sauce, grease, sodas and other food and beverage related items that would typically be present on a residential deck, or mold and mildew naturally occurring in the environment, provided that such substances are removed from the Product with soap and water or mild household cleaners within one (1) week of exposure of the food or beverage to the surface or first appearance of the mold and mildew.

Notwithstanding the foregoing, Trex does not warrant that the Product is stain-proof, and does not warrant stain resistance resulting from spilled or otherwise applied food and beverage substances which are not properly cleaned as provided above within one (1) week of exposure. In addition, materials not covered in the stain resistant warranty include abrasive compounds of acidic or basic pH, paints or stains, strong solvents, metallic rust or other abnormal deck use items, and non-food and nonbeverage substances, including but not limited to, biocides, fungicides, plant food, or bactericides. Mold and mildew can settle and grow on any outdoor surface, including this Product. You should periodically clean your deck to remove dirt and pollen that can feed mold and mildew. This warranty does not cover mold and mildew which is not properly cleaned as provided above within one (1) week of first appearance. **Standard Trex Company Limited Warranty:** This warranty is in addition to the standard Trex Company Limited Warranty that applies to all Trex products.

Transferability: With respect to a residential application, this warranty may be transferred one (1) time, within the five (5) year period beginning from the date of original purchase by the Purchaser, to a subsequent buyer of the property upon which the Trex products were originally installed. With respect to a commercial application, this warranty is freely transferable to subsequent buyers of the property upon which the Trex products were originally installed.

Exclusions from Warranty Coverage:

Exposure to Heat: Direct or indirect contact with extreme heat sources (over 275 degrees) may cause fading and may damage the surface of the Product, and any effects of such exposure are expressly excluded from coverage under this warranty.

Surface Damage: Never use metal shovels or sharp-edged tools to remove snow and ice on the surface of the Product. If the surface of the Product is damaged or punctured, this warranty will be voided.

Paint or Other Materials Applied to the Product: If paint or other coating materials are applied to the Product, this warranty will be voided.

Railing: This warranty does not cover Trex Transcend® railing components.

Other Exclusions: This warranty shall not cover any condition attributable to: (1) improper installation of the Product and/or failure to abide by Trex's installation guidelines, including but not limited to improper gapping; (2) use of the Product beyond normal use or service conditions, or in an application not recommended by Trex's guidelines and local building codes; (3) movement, distortion, collapse or settling of the ground or the supporting structure on which the Product is installed; (4) any act of God (such as flooding, hurricane, earthquake, lightning, etc.); (5) improper handling, storage, abuse or neglect of the Product by Purchaser, the transferee or third parties; (6) any fading or staining not on the walking surface of the Product (i.e., the underside or the ends of the Product); or (7) ordinary wear and tear.

Procedure for Making a Claim under this Warranty

In order to make a claim under this warranty, Purchaser must do the following:

1. If the Purchaser is making a claim relating to the warranty on stain resistance, Purchaser must do as follows:



TREX TRANSCEND[®], TREX ENHANCE[®], AND TREX[®] UNIVERSAL FASCIA LIMITED FADE AND STAIN WARRANTY/continued

(a) Purchaser must try to clean the affected area of the deck by using the cleaning procedures described above within one (1) week of exposure of the food or beverage to the Product or first appearance of the mold and mildew.

(b) If the affected area remains reasonably unsatisfactory after Purchaser has tried these cleaning procedures, then Purchaser must have the affected area of the deck professionally cleaned at Purchaser's expense.

(c) If the affected area remains reasonably unsatisfactory after the professional cleaning, Purchaser may make a claim under this warranty, provided that such claim is made within thirty (30) days after the professional cleaning.

2. To make a claim under this limited warranty, Purchaser, or the transferee, shall send to Trex, within the warranty period referred to above, a description and photographs of the affected area of the Product, proof of purchase, and if the claim relates to the warranty on stain resistance, proof of compliance with paragraph 1 above, to the following address:

Trex Company, Inc. Customer Relations 160 Exeter Drive Winchester, VA 22603-8605

3. Upon confirmation by an authorized Trex representative of a valid claim hereunder, Trex's sole responsibility shall be, at its option, to either replace the affected item or refund the portion of the purchase price paid by Purchaser for such affected item (not including the cost of its initial installation). Replacement material will be provided that is as close as possible in color, design and quality as the replaced material, but Trex does not guarantee an exact match as colors and design may change.

4. If a valid warranty claim hereunder is made during years eleven (11) through twenty-five (25) after the original purchase for a residential application, recovery will be prorated. If Trex is providing replacement materials, it may elect to replace the percentage listed below of boards otherwise meeting the requirements for a claim, or if it is refunding the purchase price, it may elect to refund the percentage listed below of the purchase price of boards otherwise meeting the requirements for a claim.

YEAR OF WARRANTY CLAIM	PERCENTAGE RECOVERY
11	80%
12	80%
13	80%
14	60%
15	60%
16	60%
17	40%
18	40%
19	40%
20	20%
21	20%
22	20%
23	10%
24	10%
25	10%

5. TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, THIS WARRANTY SHALL NOT COVER AND TREX SHALL NOT BE RESPONSIBLE FOR COSTS AND EXPENSES INCURRED WITH RESPECT TO THE REMOVAL OF AFFECTED PRODUCT OR THE INSTALLATION OF REPLACEMENT MATERIALS, INCLUDING BUT NOT LIMITED TO LABOR AND FREIGHT.

No person or entity is authorized by Trex to make and Trex shall not be bound by any statement or representation as to the quality or performance of Trex products other than as contained in this warranty. This warranty may not be altered or amended except in a written instrument signed by Trex and Purchaser.

TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, UNDER NO CIRCUMSTANCES WILL TREX BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER SUCH DAMAGES ARE SOUGHT IN CONTRACT, IN TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE, AND TREX'S LIABILITY FOR NON-PERSONAL INJURY CLAIMS WITH RESPECT TO PRODUCTS SHALL IN NO EVENT EXCEED THE REPLACEMENT OF SUCH PRODUCTS OR REFUND OF THE PURCHASE PRICE, AS DESCRIBED ABOVE.

Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from State to State or Province to Province.

TREX CONTOUR[®] LIMITED FADE AND STAIN WARRANTY

For the term set forth below, Trex Company, Inc. (hereinafter "Trex") warrants to the original end-user purchaser (the "Purchaser") that Trex Transcend® decking, porch or fascia, Trex Enhance® decking or fascia, Trex Contour® decking or Trex Fascia, as the case may be (the "Product") will perform, under normal use and service conditions, as follows:

Term of Warranty: The term of this warranty shall begin on the date of original purchase, and shall end (1) twenty-five (25) years thereafter for a residential application of the Product, and (2) ten (10) years thereafter for a commercial application of the Product.

Residential/Commercial Application: For purposes of this warranty, a "residential application" shall refer to an installation of the Product on an individual residence, and a "commercial application" shall refer to any installation of the Product other than on an individual residence.

Fade Resistance: The Product shall not fade in color from light and weathering exposure as measured by color change of more than 5 Delta E (CIE) units.

The Product is designed to resist fading. No material is fade proof when exposed to years of UV exposure and the elements. The Product is designed to resist fading, and will not in any event fade by more than 5 Delta E (CIE) units.

Stain Resistance: The Product shall be resistant to permanent staining resulting from spills of food and beverage items including ketchup, mustard, salad oils, tea, wine, coffee, fruit punch, barbeque sauce, grease, sodas and other food and beverage related items that would typically be present on a residential deck, or mold and mildew naturally occurring in the environment, provided that such substances are removed from the Product with soap and water or mild household cleaners after no more than one (1) week of exposure of the food or beverage to the surface or first appearance of the mold and mildew.

Notwithstanding the foregoing, Trex does not warrant that the Product is stain-proof, and does not warrant stain resistance resulting from spilled or otherwise applied food and beverage substances which are not properly cleaned as provided above within one (1) week of exposure. In addition, materials not covered in the stain resistant warranty include abrasive compounds of acidic or basic pH, paints or stains, strong solvents, metallic rust or other abnormal deck use items, and non-food and nonbeverage substances, including but not limited to, biocides, fungicides, plant food, or bactericides. Mold and mildew can settle and grow on any outdoor surface, including this Product. You should periodically clean your deck to remove dirt and pollen that can feed mold and mildew. This warranty does not cover mold and mildew which is not properly cleaned as provided above within one (1) week of first appearance.

Standard Trex Company Limited Warranty:

This warranty is in addition to the standard TrexCompany Limited Warranty that applies to all Trex products.

Trex Company, Inc. Customer Relations 160 Exeter Drive Winchester, VA 22603-8605 U. S. A.

Transferability: With respect to a residential application, this warranty may be transferred one (1) time, within the five (5) year period beginning from the date of original purchase by the Purchaser, to a subsequent buyer of the property upon which the Trex products were originally installed. With respect to a commercial application, this warranty is freely transferable to subsequent buyers of the property upon which the Trex products were originally installed.

EXCLUSIONS FROM WARRANTY COVERAGE:

Exposure to Heat: Direct or indirect contact with extreme heat sources (over 275 degrees) may cause fading and may damage the surface of the Product, and any effects of such exposure are expressly excluded from coverage under this warranty.

Surface Damage: Never use metal shovels or sharp-edged tools to remove snow and ice on the surface of the Product. If the surface of the Product is damaged or punctured, this warranty will be voided.

Paint or Other Materials Applied to the Product: If paint or other coating materials are applied to the Product, this warranty will be voided.

Railing: This warranty does not cover Trex Transcend® railing components.

Other Exclusions: This warranty shall not cover any condition attributable to: (1) improper installation of the Product and/or failure to abide by Trex's installation guidelines, including but not limited to improper gapping; (2) use of the Product beyond normal use or service conditions, or in an application not recommended by Trex's guidelines and local building codes; (3) movement, distortion, collapse or settling of the ground or the supporting structure on which the Product is installed; (4) any act of God (such as flooding, hurricane, earthquake, lightning, etc.); (5) improper handling, storage, abuse or neglect of the Product by Purchaser, the transferee or third parties; (6) any fading or staining not on the walking surface of the Product (i.e., the underside or the ends of the Product); or (7) ordinary wear and tear.



Procedure for Making a Claim under this Warranty

In order to make a claim under this warranty, Purchaser must do the following:

1. If the Purchaser is making a claim relating to the warranty on stain resistance, Purchaser must do as follows:

(a) Purchaser must try to clean the affected area of the deck by using the cleaning procedures described above within one (1) week of exposure of the food or beverage to the Product or first appearance of the mold and mildew.

(b) If the affected area remains reasonably unsatisfactory after Purchaser has tried these cleaning procedures, then Purchaser must have the affected area of the deck professionally cleaned at Purchaser's expense.

(c) If the affected area remains reasonably unsatisfactory after the professional cleaning,Purchaser may make a claim under this warranty, provided that such claim is made within thirty (30) days after the professional cleaning.

2. To make a claim under this limited warranty, Purchaser, or the transferee, shall send to Trex, within the warranty period referred to above, a description and photographs of the affected area of the Product, proof of purchase, and if the claim relates to the warranty on stain resistance, proof of compliance with paragraph 1. above, to the following address:

3. Upon confirmation by an authorized Trex representative of a valid claim hereunder, Trex's sole responsibility shall be, at its option, to either replace the affected item or refund the portion of the purchase price paid by Purchaser for such affected item (not including the cost of its initial installation). Replacement material will be provided that is as close as possible in color, design and quality as the replaced material, but Trex does not guarantee an exact match as colors and design may change.

4. If a valid warranty claim hereunder is made during years eleven (11) through twenty-five (25) after the original purchase for a residential application, recovery will be prorated. If Trex is providing replacement materials, it may elect to replace the percentage listed below of boards otherwise meeting the requirements for a claim, or if it is refunding the purchase price, it may elect to refund the percentage listed below of the purchase price of boards otherwise

YEAR OF WARRANTY CLAIM	PERCENTAGE RECOVERY
11	80%
12	80%
13	80%
14	60%
15	60%
16	60%
17	40%
18	40%
19	40%
20	20%
21	20%
22	20%
23	10%
24	10%
25	10%

5. THIS WARRANTY SHALL NOT COVER AND TREX SHALL NOT BE RESPONSIBLE FOR COSTS AND EXPENSES INCURRED WITH RESPECT TO THE REMOVAL OF AFFECTED PRODUCT OR THE INSTALLATION OF REPLACEMENT MATERIALS, INCLUDING BUT NOT LIMITED TO LABOR AND FREIGHT.

UNDER NO CIRCUMSTANCES WILL TREX BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER SUCH DAMAGES ARE SOUGHT IN CONTRACT, IN TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE, AND TREX'S LIABILITY WITH RESPECT TO PRODUCTS SHALL IN NO EVENT EXCEED THE REPLACEMENT OF SUCH PRODUCTS OR REFUND OF THE PURCHASE PRICE, AS DESCRIBED ABOVE.

Some nations do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warrantygives you specific legal rights, and you may have other rights which vary from nation to nation. Consumers have legal rights under applicable national legislation governing the sale of consumer goods. This warranty does not affect those rights.



TREX LIMITED WARRANTY

Trex Company, Inc. (hereinafter "Trex") warrants to the original purchaser ("Purchaser") that, for the period of time set forth in the following sentence, under normal use and service conditions, Trex® products shall be free from material defects in workmanship and materials, and shall not split, splinter, rot or suffer structural damage from termites or fungal decay. The term of such warranty shall be twenty-five (25) years from the date of original purchase for a residential application, and ten (10) years from the date of original purchase for a commercial application. If a defect occurs within the warranty period, Purchaser shall notify Trex in writing and, upon confirmation by an authorized Trex representative of the defect, Trex's sole responsibility shall be, at its option, to either replace the defective item or refund the portion of the purchase price paid by Purchaser for such defective item (not including the cost of its initial installation).

Notwithstanding the foregoing, (a), the term of the warranty for the LED lights and housing for Trex® DeckLighting™ shall be seven (7) years, the term of the warranty for the LED lights and housing for Trex[®] LandscapeLighting[™] shall be five (5) years, and the term of the warranty for the dimmer, timer and transformer for both shall be three (3) years, in each case provided that a Trex transformer is used (with no warranty on any components if a Trex transformer is not used), and any other parts or accessories shall not be warranted; (b) with respect to hardware for the Trex Surroundings® gate (gate frame, hinges and screws), the term of the warranty shall be five (5) years, (c) with respect to Trex Decorative Balusters, the term of the warranty covering the paint coating shall be ten (10) years, and shall be prorated in the following manner: 100% replacement for the first five (5) years; and 50% replacement for the next five (5) years, and (d) this warranty shall not apply to Trex Elevations® steel deck framing, Trex Reveal® aluminum railing and TrexTrim[™] (which each have separate warranties).

For purposes of this warranty, a "residential application" shall refer to an installation of the Product on an individual residence, and a "commercial application" shall refer to any installation of the Product other than on an individual residence.

THIS WARRANTY SHALL NOT COVER AND TREX SHALL NOT BE RESPONSIBLE FOR COSTS AND EXPENSES INCURRED WITH RESPECT TO THE REMOVAL OF DEFECTIVE TREX PRODUCTS OR THE INSTALLATION OF REPLACEMENT MATERIALS, INCLUDING BUT NOT LIMITED TO LABOR AND FREIGHT.

With respect to a residential application, this warranty may be transferred one (1) time, within the five (5) year period beginning from the date of original purchase by the Purchaser, to a subsequent buyer of the property upon which the Trex products were originally installed. With respect to a commercial application, this warranty is freely transferable to subsequent buyers of the property upon which the Trex products were originally installed. To make a claim under this limited warranty, Purchaser, or the transferee, shall send to Trex, within the warranty period referred to above, a description of the claimed defect and proof of purchase, to the following address:

Trex Company, Inc. Customer Relations 160 Exeter Drive Winchester, VA 22603-8605

Trex does not warrant against and is not responsible for, and no implied warranty shall be deemed to cover, any condition attributable to: (1) improper installation of Trex products and/ or failure to abide by Trex's installation guidelines, including but not limited to improper gapping; (2) use of Trex products beyond normal use and service conditions, or in an application not recommended by Trex's guidelines and local building codes; (3) movement, distortion, collapse or settling of the ground or the supporting structure on which Trex products are installed; (4) any act of God (such as flooding, hurricane, earthquake, lightning, etc.), environmental condition (such as air pollution, mold, mildew, etc.), staining from foreign substances (such as dirt, grease, oil, etc.), or normal weathering (defined as exposure to sunlight, weather and atmosphere which will cause any colored surface to gradually fade, chalk, or accumulate dirt or stains); (5) variations or changes in color of Trex products; (6) improper handling, storage, abuse or neglect of Trex products by Purchaser, the transferee or third parties; or (7) ordinary wear and tear.

No person or entity is authorized by Trex to make and Trex shall not be bound by any statement or representation as to the quality or performance of Trex products other than as contained in this warranty. This warranty may not be altered or amended except in a written instrument signed by Trex and Purchaser.

UNDER NO CIRCUMSTANCES WILL TREX BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER SUCH DAMAGES ARE SOUGHT IN CONTRACT, IN TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE, AND TREX'S LIABILITY WITH RESPECT TO DEFECTIVE PRODUCTS SHALL IN NO EVENT EXCEED THE REPLACEMENT OF SUCH PRODUCTS OR REFUND OF THE PURCHASE PRICE, AS DESCRIBED ABOVE.

Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from State to State or Province to Province.



TREX SIGNATURE®/REVEAL® RAILING LIMITED WARRANTY

Trex Company, Inc. (hereinafter "Trex") warrants to the original purchaser ("Purchaser") that, under normal use and service conditions, Trex Signature®/Reveal® Railing (the "Product") shall, for a period of twenty-five (25) years from the date of original purchase, be free from material defects in workmanship and materials. If a defect occurs within the warranty period, Purchaser shall notify Trex in writing and, upon confirmation by an authorized Trex representative of the defect, Trex's sole responsibility shall be, at its option, to either replace the defective Product or refund the portion of the purchase price paid by Purchaser for such defective Product (not including the cost of its initial installation).

With respect to installations where the atmosphere is influenced by a body of salt water (or other contaminant conditions), failure to adhere to the cleaning guidelines available at www.trex.com will void this warranty with respect to any condition resulting from such failure.

TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, THIS WARRANTY SHALL NOT COVER AND TREX SHALL NOT BE RESPONSIBLE FOR COSTS AND EXPENSES INCURRED WITH RESPECT TO THE REMOVAL OF DEFECTIVE PRODUCT OR THE INSTALLATION OF REPLACEMENT MATERIALS, INCLUDING BUT NOT LIMITED TO LABOR AND FREIGHT.

This warranty may be transferred one (1) time, within the five (5) year period beginning from the date of original purchase by the Purchaser, to a subsequent buyer of the property upon which the Product was originally installed.

To make a claim under this limited warranty, Purchaser, or the transferee, shall send to Trex, within the warranty period referred to above, a description of the claimed defect and proof of purchase, to the following address:

Trex Company, Inc. Customer Relations 160 Exeter Drive Winchester, VA 22603-8605 Trex does not warrant against and is not responsible for, and no implied warranty shall be deemed to cover, any condition attributable to: (1) improper installation of the Product; (2) use of the Product beyond normal use and service conditions, or in an application not recommended by Trex's guidelines and local building codes; (3) movement, distortion, collapse or settling of the ground or the supporting structure on which the Product is installed; (4) damages attributable to fire, violent storms, earthquake or other Acts of God, accidents, vandalism, or other casualties, impact of objects, or exposure to atmospheric pollutants or conditions other than natural weather processes, (5) improper handling, storage, abuse or neglect of the Product by Purchaser, the transferee or third parties; or (6) ordinary wear and tear.

No person or entity is authorized by Trex to make and Trex shall not be bound by any statement or representation as to the quality or performance of Trex products other than as contained in this warranty. This warranty may not be altered or amended except in a written instrument signed by Trex and Purchaser.

TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, UNDER NO CIRCUMSTANCES WILL TREX BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER SUCH DAMAGES ARE SOUGHT IN CONTRACT, IN TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE, AND TREX'S LIABILITY FOR NON-PERSONAL INJURY CLAIMS WITH RESPECT TO DEFECTIVE PRODUCTS SHALL IN NO EVENT EXCEED THE REPLACEMENT OF SUCH PRODUCTS OR REFUND OF THE PURCHASE PRICE, AS DESCRIBED ABOVE.

Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from State to State or Province to Province.
NOTES



NOTES



DECKING & RAILING COLOR PALETTE

····· DECKING ······



..... RAILING



BACK decking: Transcend in Island Mist also featuring: Trex[®] Pergola™ in Classic White & Gravel Path

FRONT decking: Transcend in Spiced Rum railing: Transcend in Vintage Lantern & Classic White with round aluminum balusters in Charcoal Black

FRAMING | DECKING | RAILING | LIGHTING | FASCIA | STORAGE | FURNITURE | PERGOLA | DRAINAGE





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