

Fortress™ Railing Overview



Use the steps below for the following pages to complete your rail

STEP 1 Choose Panel
Glass Options Available

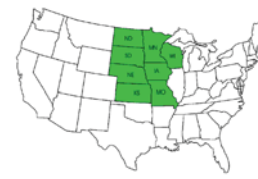
STEP 3 Choose post (Includes Skirt)

STEP 2 Choose Brackets (4 Pack)

STEP 4 Select a Post Cap

Fortress™ Aluminum Railing System

Fortress AL13 railing system features fully pre-welded aluminum rails, distinctly different from aluminum kits. Panels install easily with a simple bracket system. Aluminum construction and a premium powder coating create a virtually maintenance free system designed for use in a variety of environments. Rail panels can be used as a complete system or they can be installed between posts of most materials.



ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESSTM RAIL ORDERS



FortressTM Aluminum Rail - White

FortressTM Al¹³ Welded Aluminum Panels



Top / bottom rail measure 1-5/8" x 1" and Infill balusters are 3/4" square for both level and stair panels.

Available in:

- White
- Black Sand

6' - Al¹³ Traditional Aluminum Panel

Sold in any quantity

34" x 69" Fortress Al¹³ welded aluminum panel achieves a total railing height of 36". 40" x 69" Fortress Al¹³ welded aluminum panel achieves a total railing height of 42." **Brackets sold separately, see next page.**

36" Rail Height (34" x 69" Panel)

- Item # 51134691 - White
- Item # 51134698 - Black Sand (Txt)

42" Rail Height (40" x 69" Panel)

- Item # 51140691 - White
- Item # 51140698 - Black Sand (Txt)

8' - Al¹³ Traditional Aluminum Panel

Sold in any quantity

34" x 93" Fortress Al¹³ welded aluminum panel achieves a total railing height of 36". 40" x 93" Fortress Al¹³ welded aluminum panel achieves a total railing height of 42." **Brackets sold separately, see next page.**

36" Rail Height (34" x 93" Panel)

- Item # 51134931 - White
- Item # 51134938 - Black Sand (Txt)

42" Rail Height (40" x 93" Panel)

- Item # 51140931 - White
- Item # 51140938 - Black Sand (Txt)

FortressTM Al¹³ Adjustable Aluminum Stair Panels



Available in:

- White
- Black Sand

8' - Al¹³ Aluminum Adjustable Stair Panel

Sold in any quantity

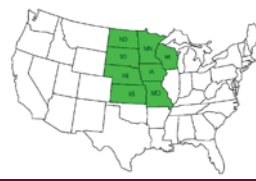
Fortress Al¹³ aluminum panel for stairs and ramps, achieves a total railing height of either 36" or 42". Panel adjustable from 5° - 45°. **Brackets sold separately, see next page.**

36" Rail Height (34" x 93" Panel)

- Item # 51234721 - White
- Item # 51234728 - Black Sand (Txt)

42" Rail Height (40" x 93" Panel)

- Item # 51240931 - White
- Item # 51240938 - Black Sand (Txt)



ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS™ RAIL ORDERS

Fortress™ AI¹³ Rail Brackets



Available in:

White

Black Sand

AI¹³ Evolve External Bracket - Level

Sold in bags of 4.

Top and bottom rails drop into brackets for level / straight applications with a cap to cover for a finished look. Includes screws for wood and metal applications.

Item # 51500211 - White
Item # 51500218 - Black Sand (Textured)



Available in:

White

Black Sand

AI¹³ Evolve External Bracket - Stair

Sold in bags of 4.

Top and bottom rails drop into brackets for stair applications with a cap to cover for a finished look. Adjustable up to a 55 degree angle. Includes screws for wood and metal applications.

Item # 51500311 - White
Item # 51500318 - Black Sand (Textured)



Available in:

White

Black Sand

AI¹³ Evolve External Bracket - Angle / Miter

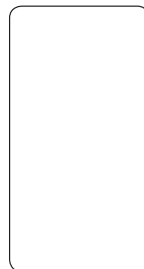
Sold in bags of 4.

Top and bottom rails drop into brackets for level angle/miter applications with a cap to cover for a finished look. Adjustable up to a 45 degree angle. Includes screws for wood and metal applications.

Item # 51500411 - White
Item # 51500418 - Black Sand (Textured)

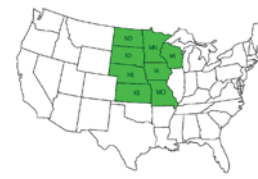


Black Sand



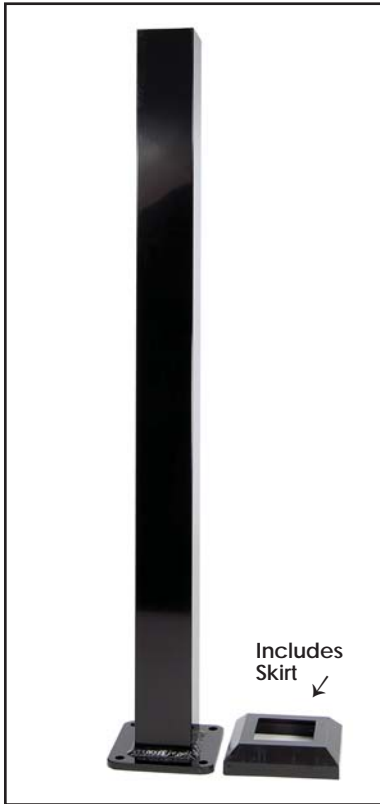
White

Colors shown are an approximate representation only, please see actual product sample when selecting color



ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESSTM RAIL ORDERS

FortressTM AI¹³ Posts, Caps & Skirts



Available in:

- White
- Black Sand

AI¹³ Aluminum 3" Post with 2 pc. Skirt

Sold in any quantity.

3" x 39-1/2" Aluminum post with 5-1/2" flange and skirt to install panels at a 36" railing height. Flange holes are 1/2" for fasteners. **Includes skirt for base.**

- Item # 51339011 - White
- Item # **51339018** - Black Sand (Textured)

3" x 45-1/2" Aluminum post with 5-1/2" flange and skirt to install panels at a 42" railing height. Flange holes are 1/2" for fasteners. **Includes skirt for base.**

- Item # 51345011 - White
- Item # **51345018** - Black Sand (Textured)



FortressAccents 3" Post Cap

Sold in any quantity.

Accents flat die cast aluminum post cap for 3" post.

- Item # 52500031 - White
- Item # 52500038 - Black Sand (Textured)



3" Post Skirt - Replacement

Sold in any quantity.

AI¹³ - 5-3/4" Post base cover included. Also sold separately.

- Item # 51500031 - White
- Item # **51500038** - Black Sand (Textured)



Available in:

- White
- Black Sand

FortressAccents Post Cap with Optional Light Kit

Sold in any quantity.

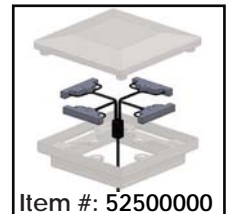
Accents flat die cast aluminum post cap for 3" post. Light kit draws **2 watts**. Light color - 2600K. Includes wire nuts and 60" lead wire. **Must purchase LED cap light kit along with cap.**

3" Post Cap

- Item # 52500031 - White
- Item # 52500038 - Black Sand (Textured)

Light Kit

- Item # 52500000 - LED Light Kit



Item #: 52500000



Available in:

- White
- Black Sand

FortressAccents Post Cap with Optional Glow Ring

Sold in any quantity.

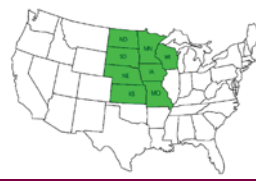
Accents flat die cast aluminum post cap for 3" Post. Glow ring draws **1.5 watts**. Light color - 2600K. Includes wire nuts and 60" lead wire. **Must purchase LED glow ring light along with cap.**

3" Post Cap

- Item # 52500031 - White
- Item # 52500038 - Black Sand (Textured)

Glow Ring

- Item # 52503030 - 3" Glow Ring



ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESSTM RAIL ORDERS



FortressTM Accent Top Rail - White

FortressTM AI¹³ Colonial Accent Top Rail



Available in:

- White
- Black Sand

8' - AI¹³ Colonial Flat Aluminum Accent Top Rail

Sold in any quantity.

Adds an additional architectural design element to FortressTM AI¹³ panels, comes in 8' length only. **Requires use of Evolve P2 Brackets.** Measures 93" L x 2" W x 1-3/8" H.

- Item # 51400931 - White
- Item # **51400938** - Black Sand (Textured)



Available in:

- White
- Black Sand

AI¹³ Evolve P2 Bracket - Level / Angle / Miter

Sold in bags of 4.

Attaches under top and bottom rails for level, straight or LH/RH miter applications. Includes screws for wood and metal applications.

- Item # 51500611 - White
- Item # **51500618** - Black Sand (Textured)



Available in:

- White
- Black Sand

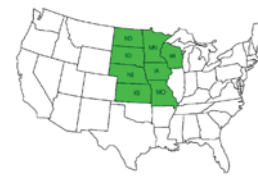
AI¹³ Evolve P2 Bracket - Stair

Sold in bags of 4.

Attaches under top and bottom rails for stair applications. Includes screws for wood and metal applications.

- Item # 51500711 - White
- Item # **51500718** - Black Sand (Textured)





ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS™ RAIL ORDERS

Fortress™ AI¹³ Accessories



Available in:

White

Black Sand

AI¹³ Flat Pyramid Post Cap

Sold in any quantity.

AI¹³ - 3" Flat pyramid cap.

Item #: 51500041 - White

Item #: **51500048** - Black Sand (Textured)



Available in:

White

Black Sand

AI¹³ Aluminum Support Block

Sold in any quantity.

3-3/4" Support block provides additional support at mid-span of rail.

Item # 55535001 - White

Item # 55535008 - Black Sand (Textured)



Available in:

White

Black Sand

AI¹³ Aluminum Cap Rail Clip

Sold in bags of 4.

Clips allow for a clean, smooth attachment of wood or composite cap rails to the top of AI¹³ panels. Clips are recommended every 2' along the rail. Includes screws.

Item # 51500071 - White

Item # **51500078** - Black Sand (Textured)



Available in:

White

Black Sand

AI¹³ Touch Up Paint

Sold in any quantity.

Available in two convenient sizes.

Spray Can

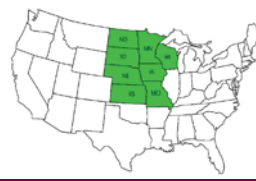
Item # 660371 - White

Item # 660378 - Black Sand

Paint Pen

Item # 660361 - White

Item # 660368 - Black Sand



ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS[™] RAIL ORDERS

Fortress[™] AI¹³ Gate Kits



Available in:

White

Black Sand

AI¹³ Aluminum Gate Uprights

Sold in Pairs.

Fortress AI¹³ welded Aluminum gate uprights. Simply trim panel to size (not included), then install uprights and secure. **Rail panel, hinges and latch sold separately.**

Ex: Completed Gate Kit

36" Rail Height (34")

Item # 51534051 - White

Item # **51534058** - Black Sand (Textured)

42" Rail Height (40")

Item # **51540051** - White

Item # **51540058** - Black Sand (Textured)



Available in:

White

Black

Gate Hinge Set with 1" Legs

Sold in pairs.

Self closing tension adjustable, gate hinges with 1" legs. Maximum self-closing weight of 55 lbs. Includes screws.

Item #: WHITENYLHINGE - White

Item #: BLACKNYLHINGE - Black



Available in:

White

Black

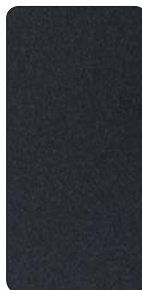
Gate Latch

Sold in any quantity.

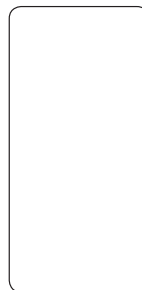
A quality and affordable latch for general-purpose gates. Combines the unique benefits of key-lockability and reliable latching action with superior design and rust proof components. Fits square posts. Includes screws.

Item #: WHITELATCH - White

Item #: BLACKLATCH - Black



Black Sand



White

Colors shown are an approximate representation only, please see actual product sample when selecting color

RED item numbers denote **NON STOCK** special order. Please allow for 2 week lead time.



ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESSTM RAIL ORDERS

FortressTM AI¹³ 1-1/2" Round Aluminum Handrail



Assemble secondary handrail using 2 part epoxy (No fasteners required)



Available in:

- White
- Black Sand

8' - AI¹³ Aluminum Round Handrail

Sold in any quantity.

1-1/2 x 8' round graspable handrail meets IRC requirements for secondary handrail system.

- Item # 50500931 - White
- Item # 50500938 - Black Sand (Textured)



Available in:

- White
- Black Sand

AI¹³ Aluminum Round Handrail Return Bracket

Sold in any quantity.

Returns 1-1/2" round handrail into post or wall. Works for any flat surface 2" or more. **Requires a straight handrail splice to connect to rail (see next page).** Includes color matched screws.

- Item # 50500051 - White
- Item # 50500058 - Black Sand (Textured)



Available in:

- White
- Black Sand

AI¹³ Aluminum Round Mid-Rail Bracket

2/Pack

Attaches 1-1/2" round handrail to post or wall. Includes color matched screws for wood and metal. Sold as pair.

- Item # 50500011 - White
- Item # 50500018 - Black Sand (Textured)



ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESSTM RAIL ORDERS



Available in:
 White
 Black Sand

AI13 Aluminum Round Handrail Splice

Sold in any quantity.

Splice Joins 1-1/2" round handrail sections. Middle trim ring conceals splice. No hardware required, use 2 part epoxy kit for installation.

Item # 50500041 - White
 Item # 50500048 - Black Sand (Textured)



Available in:
 White
 Black Sand

AI13 Aluminum Round Handrail Angle Adjuster

Sold in any quantity.

Angle adjuster may be used to adjust to appropriate stair angle. No hardware required, use 2 part epoxy kit for installation.

Item # 50501031 - White
 Item # 50501038 - Black Sand (Textured)



Available in:
 White
 Black Sand

AI13 Aluminum Round Handrail 90° Elbow

Sold in any quantity.

90 Degree corner used to transition around post, must use handrail splice to attach to handrail. No hardware required, use 2 part epoxy kit for installation.

Item # 50500021 - White
 Item # 50500028 - Black Sand (Textured)



Available in:
 White
 Black Sand

AI13 Aluminum Round Handrail Corner Bracket

Sold in any quantity.

Attaches 1-1/2" round handrail to corner of post. Includes color matched screws.

Item # 50500111 - White
 Item # 50500118 - Black Sand (Textured)



Available in:
 White
 Black Sand

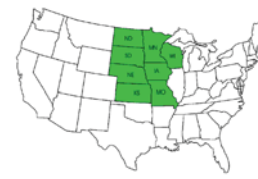
AI13 Aluminum Round Handrail P-Loop

Sold in any quantity.

180 Degree Handrail end loop is used to extend beyond post and return back to post. Handrail splice, mid rail bracket, and return bracket are required to complete installation. No hardware required, use 2 part epoxy kit for installation.

Item # 50501021 - White
 Item # 50501028 - Black Sand (Textured)





ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESSTM RAIL ORDERS



Available in:

- White
- Black Sand

AI¹³ Aluminum Round Handrail End Cap

2/Pack

Finishes end of handrail, use 2 part epoxy kit for installation.

- Item # 50500031 - White
- Item # 50500038 - Black Sand (Textured)



AI¹³ Handrail Adhesive

Sold in any quantity.

250ml - 2 part epoxy with mixer tip and extension tube. Additional mixer tips sold separately.

- Item # 660972 - Pro Poxo Kit
- Item # 660973 - Replacement mixer/extension



Available in:

- White
- Black Sand

AI¹³ Touch Up Paint

Sold in any quantity.

Available in two convenient sizes.

Spray Can

- Item # 660371 - White
- Item # 660378 - Black Sand

Paint Pen

- Item # 660361 - White
- Item # 660368 - Black Sand



FortressTM Aluminum Rail - White