

# Fortress™ Railing Overview



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

**STEP 1** Choose Panel  
Glass Options Available

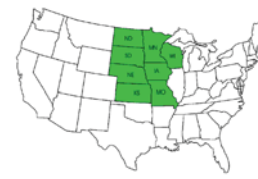
**STEP 3** Choose post (Includes Skirt)

**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 FORTRESS<sup>TM</sup> RAIL ORDERS**



Fortress<sup>TM</sup> Aluminum Rail - White

**Fortress<sup>TM</sup> Al<sup>13</sup> 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' - Al<sup>13</sup> Traditional Aluminum Panel**

Sold in any quantity

34" x 69" Fortress Al<sup>13</sup> welded aluminum panel achieves a total railing height of 36". 40" x 69" Fortress Al<sup>13</sup> 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' - Al<sup>13</sup> Traditional Aluminum Panel**

Sold in any quantity

34" x 93" Fortress Al<sup>13</sup> welded aluminum panel achieves a total railing height of 36". 40" x 93" Fortress Al<sup>13</sup> welded aluminum panel achieves a total railing height of 42." **Brackets sold separately, see next page.**

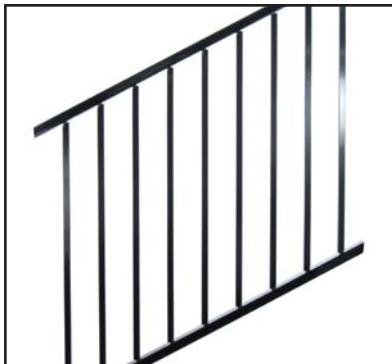
36" Rail Height (34" x 93" Panel)

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

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

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

**Fortress<sup>TM</sup> Al<sup>13</sup> Adjustable Aluminum Stair Panels**



Available in:

- White
- Black Sand

**8' - Al<sup>13</sup> Aluminum Adjustable Stair Panel**

Sold in any quantity

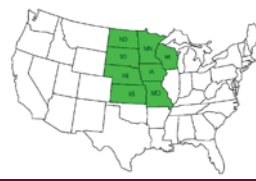
Fortress Al<sup>13</sup> aluminum panel for stairs and ramps, achieves a total railing height of either 36" or 42". Panel adjustable from 5° - 45°. **Brackets sold separately, see next page.**

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<sup>TM</sup> RAIL ORDERS**

**Fortress<sup>TM</sup> AI<sup>13</sup> Rail Brackets**



Available in:

White

Black Sand

**AI<sup>13</sup> 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

**AI<sup>13</sup> 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

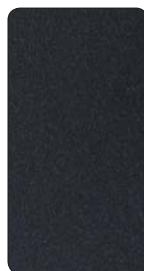
Black Sand

**AI<sup>13</sup> Evolve External Bracket - Angle / Miter**

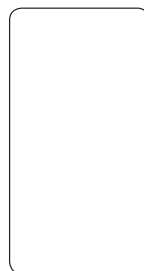
**Sold in bags of 4.**

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)

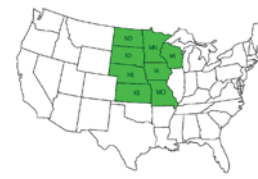


Black Sand



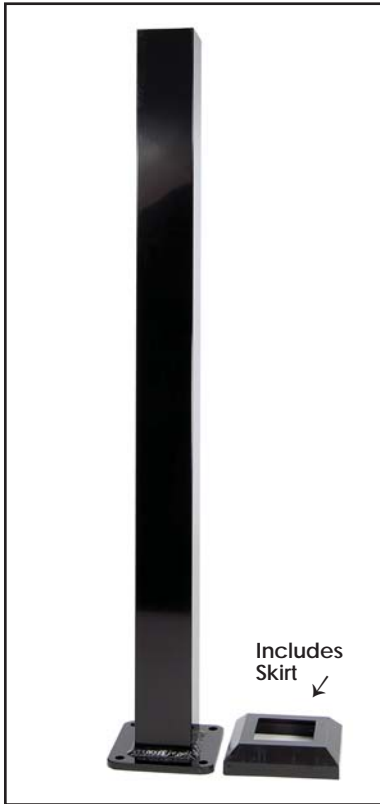
White

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



**ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS<sup>TM</sup> RAIL ORDERS**

**Fortress<sup>TM</sup> AI<sup>13</sup> Posts, Caps & Skirts**



Available in:

- White
- Black Sand

**AI<sup>13</sup> 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.

AI<sup>13</sup> - 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.

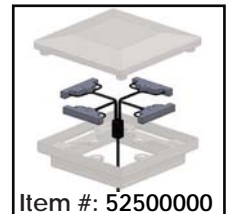
Accents flat die cast aluminum post cap for 3" post. Light kit draws **2 watts**. Light color - 2600K. Includes wire nuts and 60" lead wire. **Must purchase LED cap light kit along with cap.**

**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.**

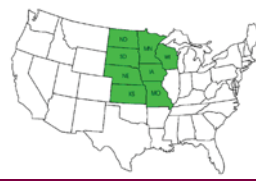
**3" Post Cap**

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

**Glow Ring**

- Item # 52503030 - 3" Glow Ring





**ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS<sup>TM</sup> RAIL ORDERS**



Fortress<sup>TM</sup> Accent Top Rail - White

**Fortress<sup>TM</sup> AI<sup>13</sup> Colonial Accent Top Rail**



Available in:

- White
- Black Sand

**8' - AI<sup>13</sup> Colonial Flat Aluminum Accent Top Rail**

Sold in any quantity.

Adds an additional architectural design element to Fortress<sup>TM</sup> AI<sup>13</sup> 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

**AI<sup>13</sup> 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

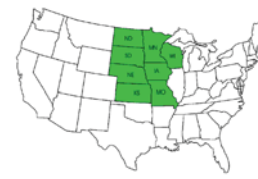
**AI<sup>13</sup> Evolve P2 Bracket - Stair**

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<sup>TM</sup> RAIL ORDERS**

**Fortress<sup>TM</sup> AI<sup>13</sup> Accessories**



Available in:

White

Black Sand

**AI<sup>13</sup> Flat Pyramid Post Cap**

Sold in any quantity.

AI<sup>13</sup> - 3" Flat pyramid cap.

Item #: 51500041 - White

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



Available in:

White

Black Sand

**AI<sup>13</sup> 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

**AI<sup>13</sup> 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 AI<sup>13</sup> panels. Clips are recommended every 2' along the rail. Includes screws.

Item # 51500071 - White

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



Available in:

White

Black Sand

**AI<sup>13</sup> Touch Up Paint**

Sold in any quantity.

Available in two convenient sizes.

Spray Can

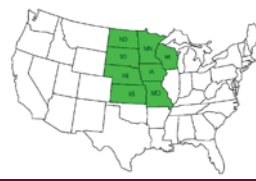
Item # 660371 - White

Item # 660378 - Black Sand

Paint Pen

Item # 660361 - White

Item # 660368 - Black Sand



**ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS<sup>™</sup> RAIL ORDERS**

**Fortress<sup>™</sup> AI<sup>13</sup> Gate Kits**



Available in:

White

Black Sand

**AI<sup>13</sup> Aluminum Gate Uprights**

Sold in Pairs.

Fortress AI<sup>13</sup> welded Aluminum gate uprights. Simply trim panel to size (not included), then install uprights and secure. **Rail panel, hinges and latch sold separately.**

**36" Rail Height (34")**

Item # 51534051 - White  
Item # **51534058** - Black Sand (Textured)

**42" Rail Height (40")**

Item # **51540051** - White  
Item # **51540058** - Black Sand (Textured)

Ex: Completed Gate Kit



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

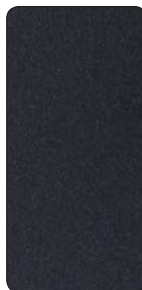
Black

**Gate Latch**

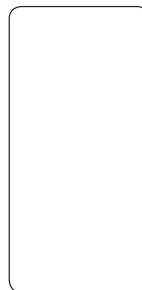
Sold in any quantity.

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



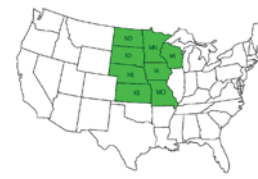
Black Sand



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 FORTRESS<sup>TM</sup> RAIL ORDERS

**Fortress<sup>TM</sup> AI<sup>13</sup> 1-1/2" Round Aluminum Handrail**



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



Available in:

- White
- Black Sand

**8' - AI<sup>13</sup> 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

**AI<sup>13</sup> 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

**AI<sup>13</sup> 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 FORTRESS<sup>TM</sup> RAIL ORDERS**



Available in:

White

Black Sand

### AI<sup>13</sup> 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

### AI<sup>13</sup> 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

### AI<sup>13</sup> 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

### AI<sup>13</sup> 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

### AI<sup>13</sup> Aluminum Round Handrail P-Loop

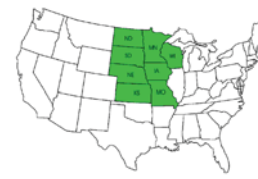
Sold in any quantity.

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 FORTRESS<sup>TM</sup> RAIL ORDERS**



Available in:

- White
- Black Sand

**AI<sup>13</sup> 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)



**AI<sup>13</sup> 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

**AI<sup>13</sup> 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



Fortress<sup>TM</sup> Aluminum Rail - White