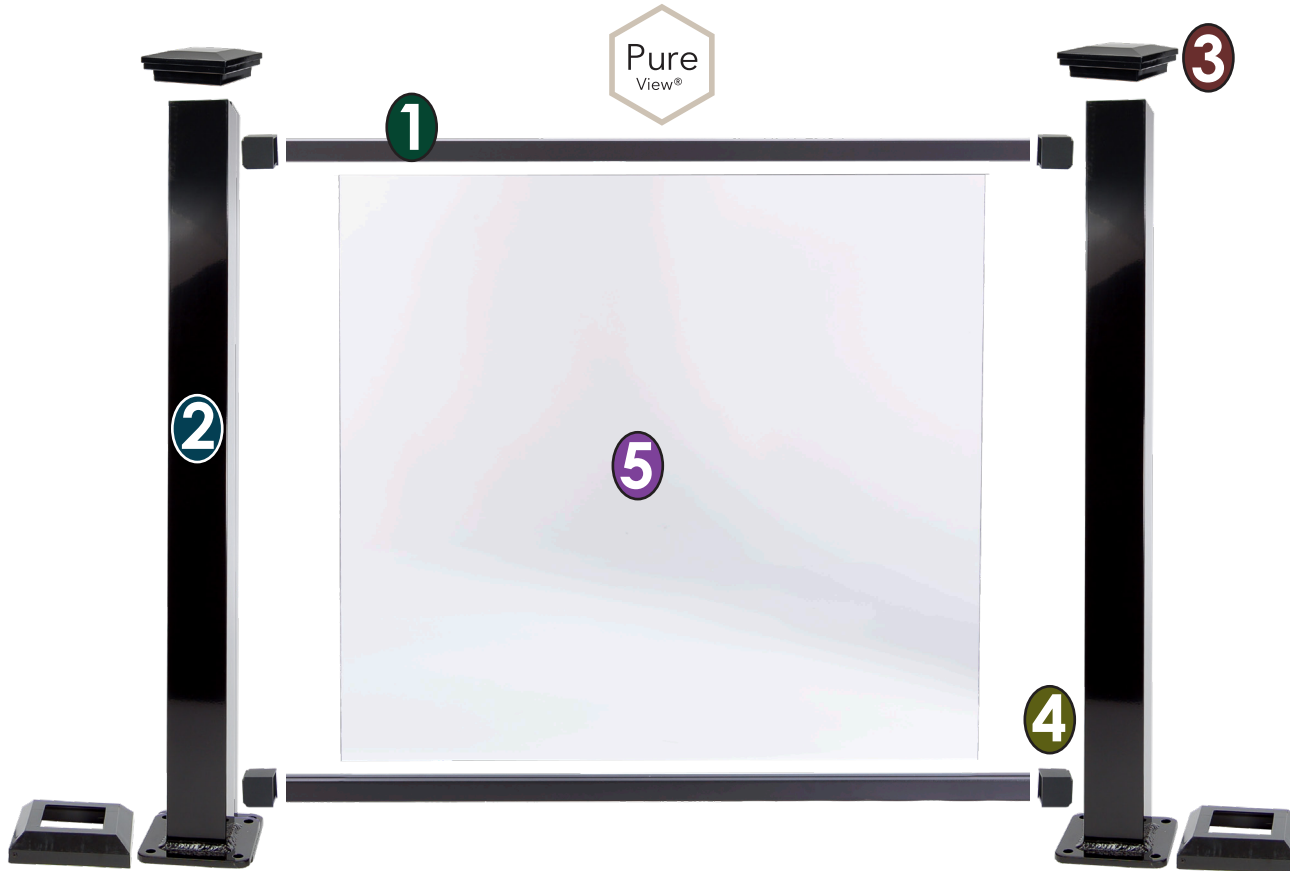


# Fortress® Glass Panel Rail Overview



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

**STEP 1** Choose 6' lineal kit (Pair)

**STEP 2** Choose post (Includes Skirt)

**STEP 3** Select a Post Cap

**STEP 4** Choose Brackets (4 Pack)

**STEP 5a** Choose Glass Panel Size  
10 Standard Sizes Available

or  
**STEP 5b** Order Custom Glass  
If standard glass sizes do not fit your layout

## IMPORTANT:

Please note: Caution must be exercised since off the shelf glass panel systems have size limitations and are not flexible to field adjustments such as ADI's other rail systems.

Additionally and most importantly is that the contractor / installer understands the parameters of the Pure View® Glass Rail system. Ultimately it is the contractor that will have to provide the list of railing materials required for the project since field measurements are required as well as an understanding of post placement / spacing to correlate to the glass panel sizes.

# Fortress® Glass Panel Rail Overview

## Pure View® Glass Panel System Design & Ordering Guidelines

- There are 10 widths of tempered glass panels available. This is a limiting factor for each project. (If custom glass is required then only rails, posts and brackets will be required.)
- Glass Panel widths start at 12.25" and increment up in 5" - 6" increments. 12.25, 18.25, 24.25, 31.25", 36.25", 41.25", 46.25", 51.25", 56.25", and 61.25". Glass thickness is 1/4" nominal (6 mm). **SEE CHART BELOW**

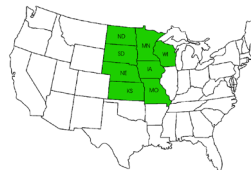
**Glass:** 6mm Thick, Clear Tempered, Two Heights: 33" and 39"

Glass Size	Item #	O.C. Post Spacing (3" Post)	Between Post Spacing (Face to Face)
33" x 12.25" 39" x 12.25"	55533129 55539129	18" to 23"	15" to 20"
33" x 18.25" 39" x 18.25"	55533189 55539189	24" to 29"	21" to 26"
33" x 24.25" 39" x 24.25"	55533249 55539249	30" to 35"	27" to 32"
33" x 31.25" 39" x 31.25"	55533319 55539319	37" to 42"	34" to 39"
33" x 36.25" 39" x 36.25"	55533369 55539369	42" to 47"	39" to 44"
33" x 41.25" 39" x 41.25"	55533419 55539419	47" to 52"	44" to 49"
33" x 46.25" 39" x 46.25"	55533469 55539469	52" to 57"	49" to 54"
33" x 51.25" 39" x 51.25"	55533519 55539519	57" to 62"	54" to 59"
33" x 56.25" 39" x 56.25"	55533569 55539569	62" to 67"	59" to 64"
33" x 61.25" 39" x 61.25"	55533619 55539619	67" to 72"	64" to 69"

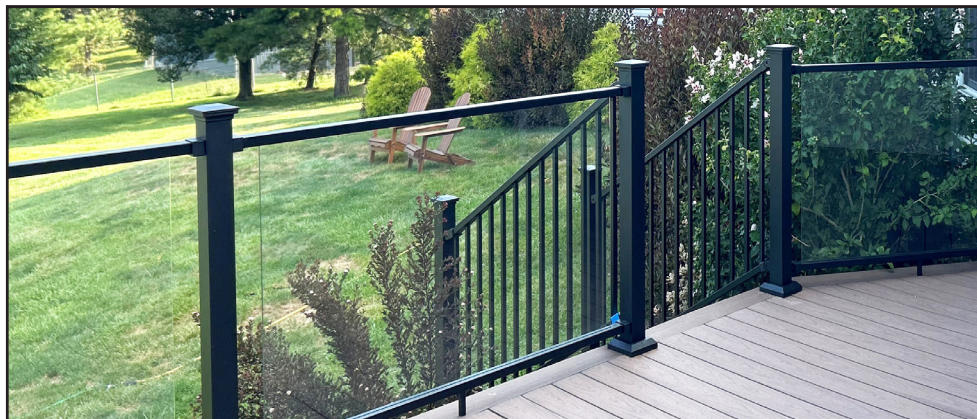
- Minimum opening size for glass panel is 15" and maximum opening is 69" between posts (Factors in 1.5" brackets attached to posts) Posts are 3" AL13+ (aluminum).
- Brackets protrude into railing opening approx. 1.5" on each side from post thus limiting how close a panel can be placed to a post.
- Posts, rails and all brackets are AL13+ – Aluminum. Available from ADI™ in, White and Black Sand (NS).
- Glass Panel system is designed for **level applications only** – Stairs would typically use 4" Glass Pure View Baluster system. (Option: Fortress rack-able stair panels with pickets.)
- Some layouts may **NOT** be appropriate for this glass system.
- Due to the delicate nature of glass there will be skid, packaging and freight assessed to each order.

**Quotes will be handled by a two step process:**

- 1.) **Qualifying the prospect through a budgetary estimate using a lineal foot cost.**
- 2.) **If job is accepted, a formal quote will be provided based off actual deck dimensions and quantities provided by contractor.**



ACTUAL FREIGHT CHARGES APPLY TO FORTRESS® RAIL ORDERS



## Fortress® Al<sup>13+</sup> Pure View® Glass Railing - Glass Panel



Available in:

White

Black Sand

### 6' Pure View® Glass Panel Top and Bottom Rails

Sold in pairs.

Slotted top and bottom aluminum rails are designed to accept 1/4" full glass panels into the rail. Rail height is determined by the height of glass installed. Rails included spacers and rubber gasket.

**PureView glass balusters are suggested for stair installations.**

**Brackets sold separately, see page 205.**

#### Level (68.5" Actual Length)

Item # 55111601 - White

Item # 55111608 - Black Sand (Textured)



Available in:

Clear

### Pure View® Full Glass Panel Inserts - Level Only

Sold in any quantity.

Pure View 1/4" tempered glass panels for level railing. Available in 10 lengths to accommodate most installations. If standard glass sizes do not fit, then custom glass must be locally sourced. **PureView glass balusters are suggested for stair installations.**

#### 36" Rail Height

Item # 55533129 - 33" x 12-1/4" glass panel for 15" to 20" opening

Item # 55533189 - 33" x 18-1/4" glass panel for 21" to 26" opening

Item # 55533249 - 33" x 24-1/4" glass panel for 27" to 32" opening

Item # 55533319 - 33" x 31-1/4" glass panel for 34" to 39" opening

Item # 55533369 - 33" x 36-1/4" glass panel for 39" to 44" opening

Item # 55533419 - 33" x 41-1/4" glass panel for 44" to 49" opening

Item # 55533469 - 33" x 46-1/4" glass panel for 49" to 54" opening

Item # 55533519 - 33" x 51-1/4" glass panel for 54" to 59" opening

Item # 55533569 - 33" x 56-1/4" glass panel for 59" to 64" opening

Item # 55533619 - 33" x 61-1/4" glass panel for 64" to 69" opening

#### 42" Rail Height

Item # 55539129 - 39" x 12-1/4" glass panel for 15" to 20" opening

Item # 55539189 - 39" x 18-1/4" glass panel for 21" to 26" opening

Item # 55539249 - 39" x 24-1/4" glass panel for 27" to 32" opening

Item # 55539319 - 39" x 31-1/4" glass panel for 34" to 39" opening

Item # 55539369 - 39" x 36-1/4" glass panel for 39" to 44" opening

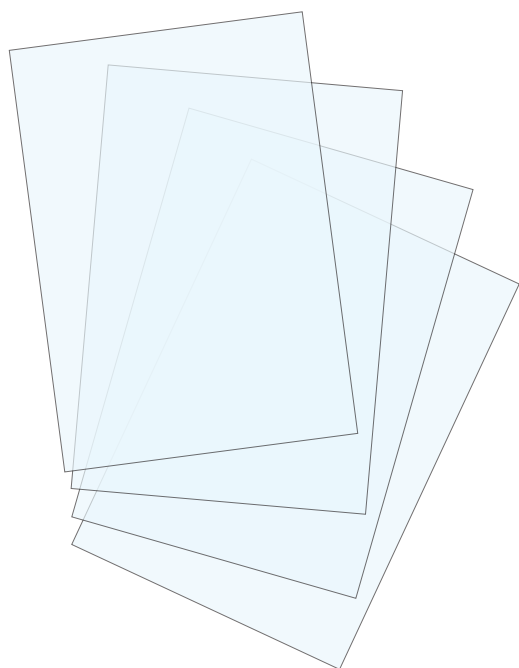
Item # 55539419 - 39" x 41-1/4" glass panel for 44" to 49" opening

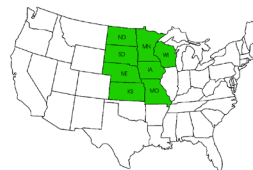
Item # 55539469 - 39" x 46-1/4" glass panel for 49" to 54" opening

Item # 55539519 - 39" x 51-1/4" glass panel for 54" to 59" opening

Item # 55539569 - 39" x 56-1/4" glass panel for 59" to 64" opening

Item # 55539619 - 39" x 61-1/4" glass panel for 64" to 69" opening





**ACTUAL FREIGHT CHARGES APPLY TO FORTRESS® RAIL ORDERS**



Fortress® Aluminum Rail w/ Glass Balusters - White

## Fortress® Al<sup>13+</sup> Pure View® Glass Railing - 4" Glass Balusters



Available in:

White

Black Sand

### 6' - Pure View® Baluster Glass Top & Bottom Rails

Sold in pairs.

Slotted top and bottom aluminum rails are designed to evenly space and accept 3-3/4" glass balusters into the rail. Rail height is determined by the height of glass installed. **Brackets sold separately, see page 205.**

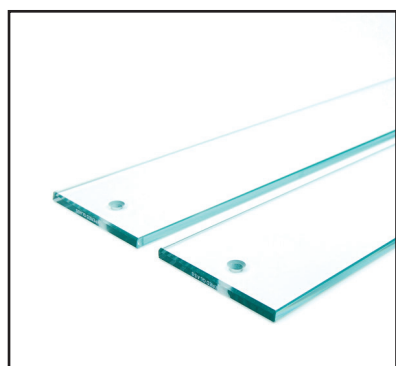
#### Level (69" Actual Length)

Item # **51172091** - White  
Item # **51172098** - Black Sand (Txt)

#### Stair (73" Actual Length)

Item # **51272091** - White  
Item # **51272098** - Black Sand (Txt)

Level and stair require 9 glass balusters per 6' rail section.



Available in:

Clear

### Pure View® Glass - Level

Sold in packs of 5. 3/case.

34" & 40" Pure View 5/16" tempered glass balusters that are 3-3/4" wide for level installations.

Item # **660520** - 34" Level Glass for 36" Rail Height  
Item # **660540** - 40" Level Glass for 42" Rail Height



Available in:

Clear

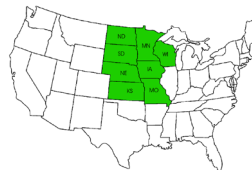
### Pure View® Glass - Stair

Sold in packs of 5. 3/case.

34" & 40" Pure View 5/16" tempered glass balusters that are 3-3/4" wide for stair installations.

Item # **660530** - 34" Stair Glass for 36" Rail Height  
Item # **660550** - 40" Stair Glass for 42" Rail Height





**ACTUAL FREIGHT CHARGES APPLY TO FORTRESS® RAIL ORDERS**



Fortress® Aluminum Rail - White

## Fortress® Al<sup>13+</sup> Welded Aluminum 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 page 205.**

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

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

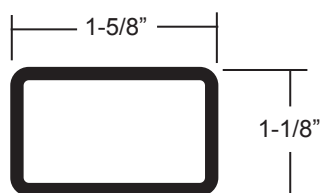
Item # **51134691** - White

Item # **51134698** - Black Sand (Txt)

Item # **51140691** - White

Item # **51140698** - Black Sand (Txt)

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



### 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 page 205.**

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

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

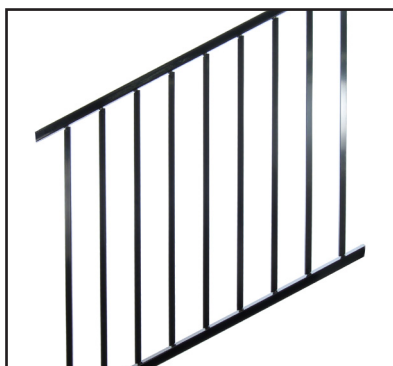
Item # **51134931** - White

Item # **51134938** - Black Sand (Txt)

Item # **51140931** - White

Item # **51140938** - Black Sand (Txt)

## Fortress® Al<sup>13+</sup> Adjustable Aluminum Stair Panels



Available in:

White

Black Sand

### 8' - Al<sup>13+</sup> Adjustable Stair Aluminum 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 page 205.**

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

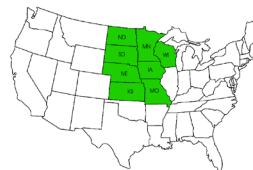
**42" Rail Height** (40" x 93" Panel)

Item # **51234721** - White

Item # **51234728** - Black Sand (Txt)

Item # **51240931** - White

Item # **51240938** - Black Sand (Txt)



**ACTUAL FREIGHT CHARGES APPLY TO FORTRESS® RAIL ORDERS**

## Fortress® 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.**

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

Item #: **WHITENYLHINGE** - White

Item #: **BLACKNYLHINGE** - Black



Available in:

White

Black

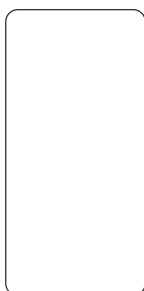
### Gate Latch

**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



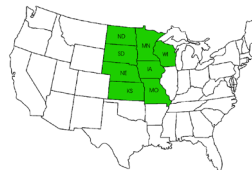
White



Black Sand

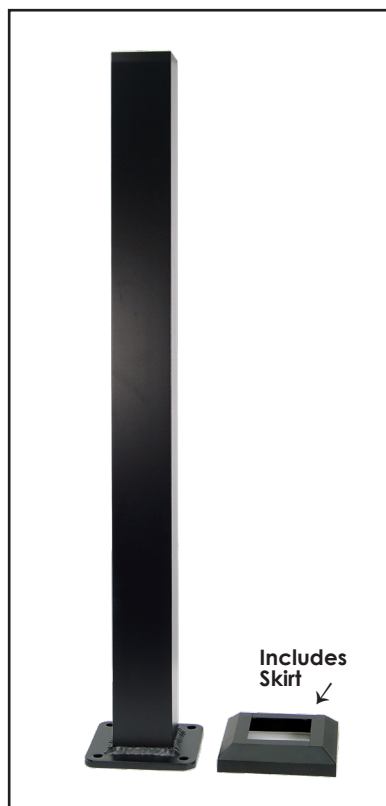
Colors shown are an approximate representation only, please see actual product sample when selecting color

**RED** item numbers denote **NON STOCK** special order. Please allow for 3 week lead time.



**ACTUAL FREIGHT CHARGES APPLY TO FORTRESS® RAIL ORDERS**

## Fortress® Al<sup>13+</sup> Posts, Caps & Skirts



Available in:

White

Black Sand

### Al<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 # 59339038** - 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 # 59345038** - Black Sand (Textured)



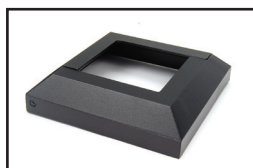
### FortressAccents 3" Post Cap

**Sold in any quantity.**

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

**Item # 52500031** - White

**Item # 52500038** - Black Sand (Textured)



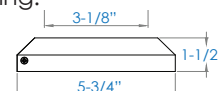
### 3" Post Skirt 2 pc. - Replacement

**Sold in any quantity.**

Post base cover included. Also sold separately. Measures 5-3/4" x 1-1/2" with 3-1/8" opening.

**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

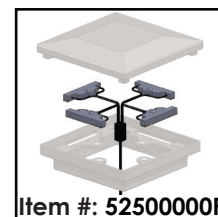
**Item # 52500038** - Black Sand (Textured)

#### Light Kit

**Item # 52500000P** - LED Light Kit



FortressAccents Plug-N-Play



**Item #: 52500000P**



Available in:

Absolute Black

### DekPro™ EFFEX 3" Post Caps

**Sold in any quantity.**

Optional DekPro aluminum post cap with textured finish. Available in pyramid or flat top styles with both non-lighted and lighted options. LED lights features Quick Connect wiring system for easy installation.

**Item # DPPP3FABT** - Flat Top

**Item # DPPP3PABT** - Pyramid

**Item # DPPP3FDLABT** - Flat Top Down Light

**Item # DPPP3PDLABT** - Pyramid Down Light

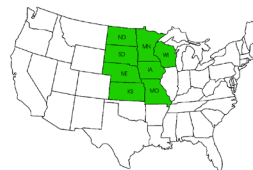
**Item # DPPP3FBLABT** - Flat Top Glow Ring

**Item # DPPP3PBLABT** - Pyramid Glow Ring



DekPro Quick Connect System





**ACTUAL FREIGHT CHARGES APPLY TO FORTRESS® RAIL ORDERS**

## Fortress® 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.**

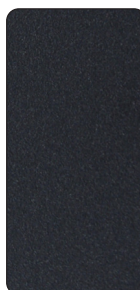
Top and bottom rails drop into brackets for level angle/miter applications with a cap to cover for a finished look. Adjustable up to a 45 degree angle. Includes screws for wood and metal applications.

**Item # 51500411** - White

**Item # 51500418** - Black Sand (Textured)



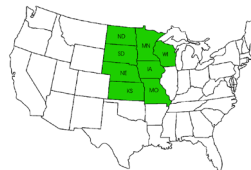
White



Black Sand

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





**ACTUAL FREIGHT CHARGES APPLY TO FORTRESS® RAIL ORDERS**

## Fortress® AI<sup>13+</sup> Accessories



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> Glass Panel Spacer - Replacement Part

**Sold in any quantity.**

Glass panel spacers used between glass panel and rail bracket available for replacement. Measures 2-15/16" in length.

Item # 55503781 - White

Item # 55503788 - 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

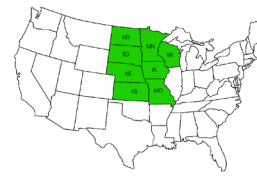
Item # 660378 - Black Sand

#### Paint Pen

Item # 660361 - White

Item # 660368 - Black Sand





**ACTUAL FREIGHT CHARGES APPLY TO FORTRESS® RAIL ORDERS**



Fortress® Aluminum Rail w/ Glass Panel - Black Sand



Fortress® Aluminum Rail w/ Glass Panel - Black Sand



Fortress® Aluminum Rail w/ Glass Panel - Black Sand



Fortress® Aluminum Rail w/ Glass Panel - White