

# 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  
7 Standard Sizes Available

or  
**STEP 5b** Order Custom Glass  
If glass required is less than 31-1/4" in length

## 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 PureView™ 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

## PureView™ Glass Panel System Design & Ordering Guidelines

There are seven 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 substantially simplifying this process.)

- Glass Panel widths start at 31.25" and increment up in 5" increments. 31.25", 36.25", 41.25", 46.25", 51.25", 56.25", and 61.25". Glass thickness is ¼" nominal (6 mm). **SEE CHART BELOW**

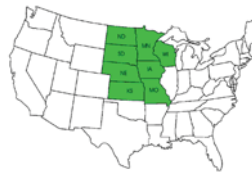
**Glass:** 6mm Thick, Clear Tempered, Two Heights: 33" and 39"

Glass Size	Item #	O.C. Post Spacing (3" Post)	Between Post Spacing (Face to Face)
33" x 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 smallest glass panel is 34.25" and maximum opening is 69". (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, Black Sand and White.
- 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 panel 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 ALL FORTRESS™ RAIL ORDERS**



Fortress™ Aluminum Rail w/ Glass Panels - White

**Fortress™ Al<sup>13</sup> Pure View Glass Railing - Glass Panel**



Available in:

- Black Sand
- White

**6' PureView Glass Panel Top and Bottom Rails**

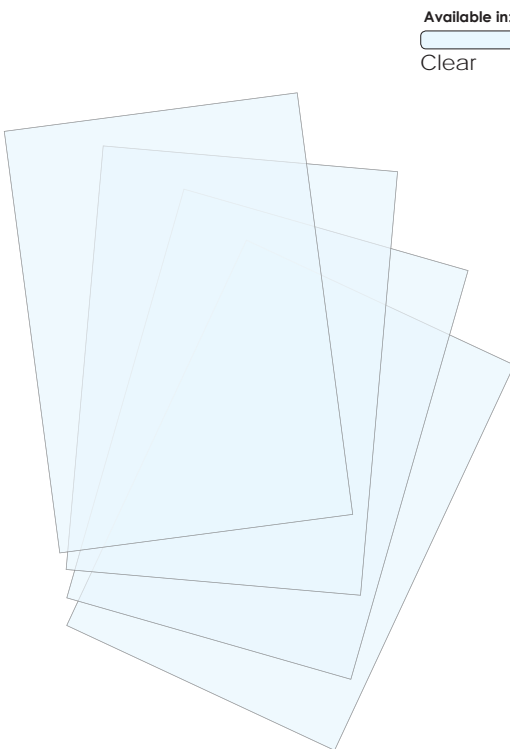
**Sold in pairs.**

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.**

**Level**

- Item # **55111608** - Black Sand (Textured)
- Item # **55111601** - White



Available in:

- Clear

**PureView Full Glass Panel Inserts - Level Only**

**Sold in any quantity.**

Pure View 1/4" tempered glass panels for level railing. Available in 7 lengths to accommodate most installations. If rail requires sections of glass less than 31-1/4", then custom glass must be locally sourced.

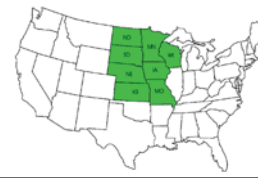
**PureView glass balusters are suggested for stair installations.**

**36" Rail Height**

- 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 # **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 ALL FORTRESS™ RAIL ORDERS**



Fortress™ Aluminum Rail w/ Glass Balusters - White

**Fortress™ Al<sup>13</sup> Pure View Glass Railing - 4" Glass Balusters**



Available in:  
 Black Sand  
 White

**6' - Al<sup>13</sup> Pure View Glass Top and 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.

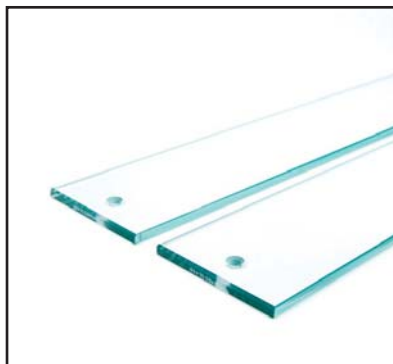
**Level**

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

**Stair**

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

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

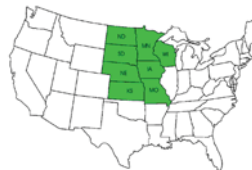
**Pure View Glass - Stair**

**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.

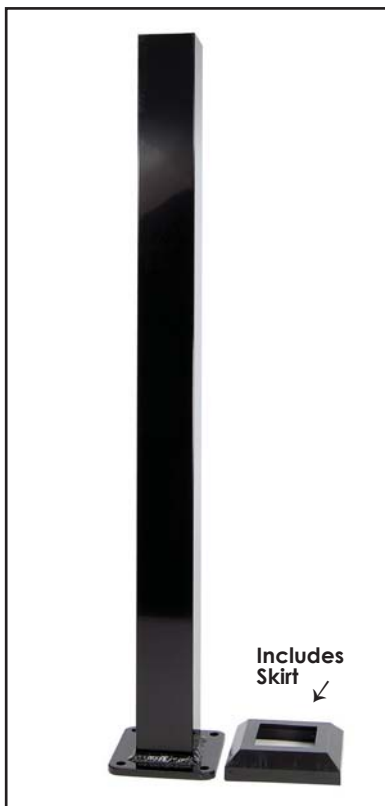
Item # **660530** - 34" Stair Glass for 36" Rail Height  
 Item # **660550** - 40" Stair Glass for 42" Rail Height





**ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS™ RAIL ORDERS**

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



Available in:

Black Sand

White

**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 # 51339018** - Black Sand (Textured)

**Item # 51339011** - White

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 # 51345018** - Black Sand (Textured)

**Item # 51345011** - White



**FortressAccents 3" Post Cap**

**Sold in any quantity.**

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

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

**Item # 52500031** - White



**3" Post Skirt**

**Sold in any quantity.**

Al<sup>13</sup> - 5-3/4" Post base cover included. Also sold separately.

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

**Item # 51500031** - White



Available in:

Black Sand

White

**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.**

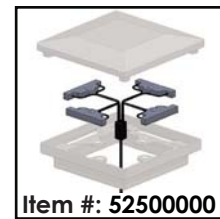
**3" Post Cap**

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

**Item # 52500031** - White

**Light Kit**

**Item # 52500000** - LED Light Kit



**Item #: 52500000**



Available in:

Black Sand

White

**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 kit along with cap.**

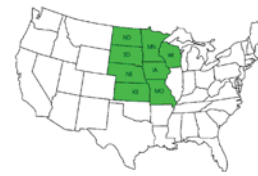
**3" Post Cap**

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

**Item # 52500031** - White

**Glow Ring**

**Item # 52503030** - 3" Glow Ring



**ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS™ RAIL ORDERS**



Available in:

- Black Sand
- White

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

**Sold in any quantity.**

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

- Item # 51500048** - Black Sand (Textured)
- Item # 51500041** - White

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



Available in:

- Black Sand
- White

**AI<sup>13</sup> Evolve External Bracket - Level**

**Sold in bags of 4.**

Top and bottom rails drop into a cup (UB style) for level / straight applications with a cap to cover for a finished look. Includes screws for wood and metal applications.

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



Available in:

- Black Sand
- White

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

**Sold in bags of 4.**

Top and bottom rails drop into a cup (UB style) for stair applications with a cap to cover for a finished look. Includes screws for wood and metal applications.

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



Available in:

- Black Sand
- White

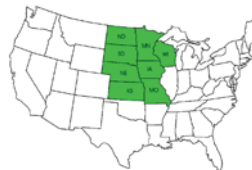
**AI<sup>13</sup> Evolve External Bracket - Angle / Miter**

**Sold in bags of 4.**

Top and bottom rails drop into a cup (UB style) for level angle/miter applications with a cap to cover for a finished look. Includes screws for wood and metal applications.

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





**ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS™ RAIL ORDERS**

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



Available in:

Black Sand

White

**Al<sup>13</sup> Aluminum Support Block**

**Sold in any quantity.**

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

**Item # 55535008** - Black Sand (Textured)

**Item # 55535001** - White



Available in:

Black Sand

White

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

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

**Item # 51500071** - White



Available in:

Black Sand

White

**Al13 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 # 55503788** - Black Sand (Textured)

**Item # 55503781** - White



Available in:

Black Sand

White

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

**Sold in any quantity.**

Available in two convenient sizes.

**Spray Can**

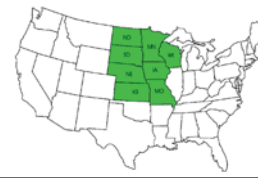
**Item # 660378** - Black Sand

**Item # 660371** - White

**Paint Pen**

**Item # 660368** - Black Sand

**Item # 660361** - White



**ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS™ RAIL ORDERS**



Available in:

Black Sand

White

## **Al<sup>13</sup> Replacement Screw Packs**

**Sold in bags of 8.**

Self tapping, Torx drive screw for installing rail connectors to metal or wood posts. Use T25 bit. Screws included with brackets.

**Item # 661219** - Black Sand, 3/4" thread cutting screw

**Item # 661217** - White, 3/4" thread cutting screw

**Item # 661222** - Black Sand, 2 1/2" wood screw

**Item # 661223** - White, 2 1/2" wood screw