

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.)

- 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, 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 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™ AI¹³ Pure View Glass Railing - Glass Panel



Available in:

White

Black Sand

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 # 55111601 - White

Item # 55111608 - Black Sand (Textured)



Available in:

Clear

PureView Full Glass Panel Inserts - Level Only

Sold in any quantity.

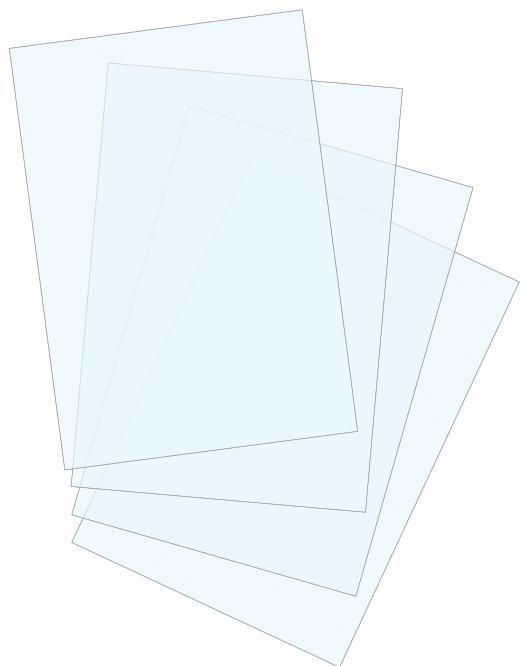
Pure View 1/4" tempered glass panels for level railing. Available in 7 lengths to accommodate most installations. If rail requires sections of glass less than 31-1/4", then custom glass must be locally sourced. **PureView glass balusters are suggested for stair installations.**

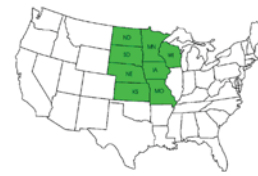
36" Rail Height

- 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[™] Al¹³ Pure View Glass Railing - 4" Glass Balusters



Available in:

White

Black Sand

6' - Al¹³ 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 # **51172091** - White
Item # **51172098** - Black Sand (Txt)

Stair

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.

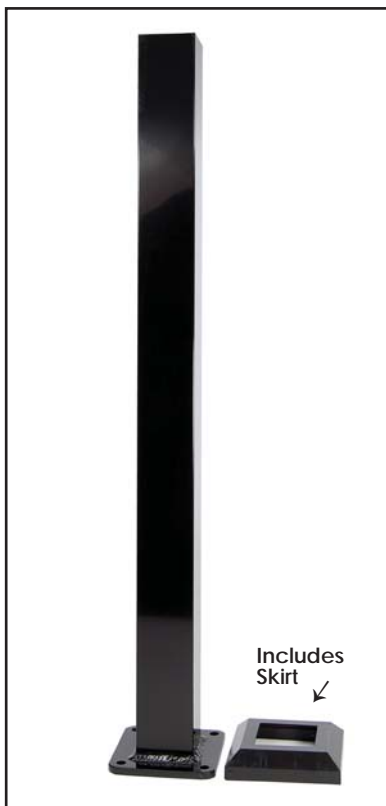
34" & 40" Pure View 5/16" tempered glass balusters that are 3-3/4" wide for stair installations.

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



ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS™ RAIL ORDERS

Fortress™ Al¹³ Posts, Caps & Skirts



Available in:

White

Black Sand

Al¹³ 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 # PR3040POSTABT - Black (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 # PR3044POSTABT - Black (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.

Al¹³ - 5-3/4" Post base cover included. Also sold separately.

Item # 51500031 - White



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.**

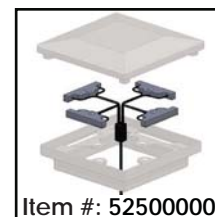
3" Post Cap

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.**

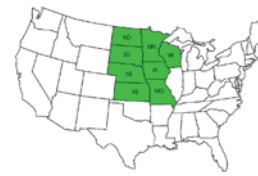
3" Post Cap

Item # 52500031 - White

Item # 52500038 - Black Sand (Textured)

Glow Ring

Item # 52503030 - 3" Glow Ring



ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS™ RAIL ORDERS



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 # DPPC3FABT - Flat Top
Item # DPPC3PABT - Pyramid

Item # DPPC3FDLABT - Flat Top Down Light
Item # DPPC3PDLABT - Pyramid Down Light

Item # DPPC3FBLABT - Flat Top Glow Ring
Item # DPPC3PBLABT - Pyramid Glow Ring



DekPro Quick Connect System



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)





ACTUAL FREIGHT CHARGES APPLY TO ALL FORTRESS™ RAIL ORDERS

Fortress™ AI¹³ Accessories



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 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

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 FORTRESSTM 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

PureViewTM Glass Aluminum Railing ■ FortressTM