

FOLDING DOORS

The Architects' Choice



TECHNICAL INFORMATION



PANDA
WINDOWS & DOORS



FOLDING DOORS



What is a Folding Door?

Also known as bi-fold systems, Folding Door Systems are a popular choice for maximizing openings (up to 90%) without the need for pocketed areas. Featuring a top-hung design, the system panels slide and stack perpendicular against one or both of the opening jambs similar to an accordion or z-fold motion.

Applications and Uses

Innovative engineering, contemporary design, and functional ease-of-use make the Folding Door System a popular choice for both commercial and residential projects.

Features and Benefits

- Child-safe features, including multiple pinch-proof EPDM bubble gaskets layered between each panel, are an important design element in each Folding Door System.
- Opening the system stacks the panels together (accordion-style), taking approximately 10% of the available space in the entryway. With the remaining 90% available space, Folding Door Systems are ideal for frequent high foot-traffic areas or for creating spacious, uninterrupted views.

- The best option for opening up space other than a pocketed Multi-slide or Lift & Slide door.

- Daily doors (aka swing, egress, or flag doors) can be integrated into the system, allowing for easy entry and exit without having to open the entire system.

- The design is customizable and allows any system to have either an in-swing or out-swing configuration.

- Concealed throw-pins in the top and bottom tracks create a very secure system.

- A heavy-duty European groove-hinge anchoring system (10mm stainless steel pin) allows for tall and heavy panels.

- European hardware and Delrin polymer rollers allow the system to roll smoothly, keeping the rollers from developing a flat side over time.

- Our unique 6063-T6 aluminum extrusions means Panda systems are more durable and reliable than our competitors', even with everyday use.

- "Ultra" systems are available for especially large openings (up to 13 feet tall) and have optional bottom support due to heavier panels.

- "Ultra" systems support a bottom-running recessed track option.

Customizations

Panda fabricates every system according to your exact design and specifications. Choose from a variety of options for wood, track, handles, glass, finish, and curved systems.



FINISH OPTIONS

*True colors may appear different from finish options shown. Color samples available upon request.



Powder Coat Finishes

Choose from numerous finish options to make your window or door system your very own. If you would like to create or match custom colors beyond the standard options, our team is ready to assist you!

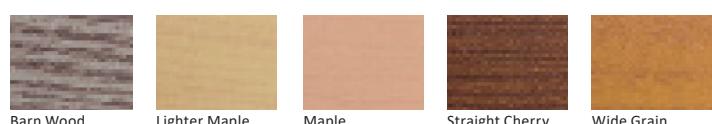
Twenty-five powder coat finish options are available as standard AAMA 2604. Also available are AAMA 2605 powder coat, metallic/bonded powder coat, anodized, Kynar, and Duranar finishes. A two-tone color scheme is available for all thermally-broken systems. Rest assured, our team is here to help you choose the right finish for the environment in which your system will be installed!

Wood

Panda offers many different species for our wood-clad and all-wood systems. Available options are: Stain Grade Pine, Paint Grade Poplar, African Mahogany, Clear Pine, Douglas Fir, Vertical Grain Douglas Fir, Maple, Birch, Cherry, Oak, Alder, Knotty Alder, Teak, and Walnut.

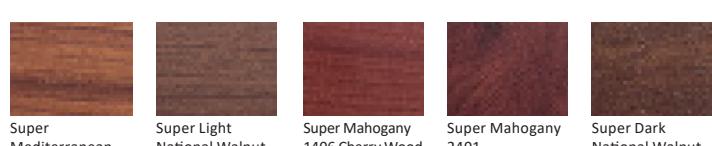
For options not listed or custom wood detailing requests, our team is ready to help meet your design goals!

****Wood-clad systems utilize several cam locking mechanisms for ease of maintenance and wood replacement.**



Faux Wood

When your space needs more than a standard stock color, elevate your design with our wood grain textures.



In response to the growing demand for LEED and GREEN builds, Panda is proud to be one of the first companies in the United States to incorporate this cutting-edge design into our aluminum products.

Providing the look of wood and durability of aluminum, faux wood provides a no-compromise solution that will surely exceed all expectations!

TRACK OPTIONS

3/4" Recessed Track

The smallest recessed track available for folding doors, recommended for interior applications or applications where the door system features full coverage.



1 1/2" Recessed Drainage Track

This track is ideal when the 2" Thermally Broken Recessed Drainage Track is too large.



1 1/2" ADA Recessed Drainage Track

An ADA compliant recessed drainage track ideal for commercial applications.



2" Thermally Broken Recessed Drainage Track

Thanks to thermally isolating properties that create a barrier between inside and outside temperatures, this track offers excellent energy efficiency performance.



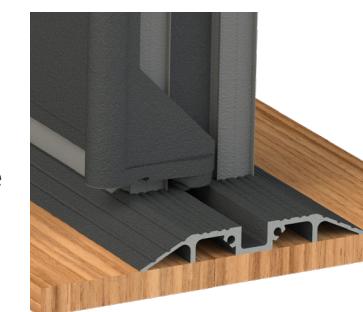
2 1/4" Recessed Drainage Bottom Running Track

This track carries most of the weight of the system on the track itself to lessen the load on the header (enabling larger panel sizes). A no-drain option also available.



1/2" ADA Surface Track

An ADA compliant surface mounted track ideal for interior or full coverage applications. Ramps come as standard on the interior and exterior.



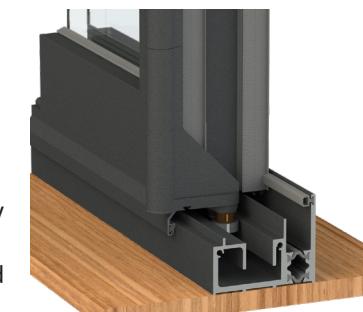
3/4" Surface Track

Best for interior or full coverage applications, the ramps come as standard on the interior and exterior. A weep drainage option is available.



2 3/16" Thermally Broken Standard Surface Track

Thanks to thermally isolating properties to divide inside and outside temperatures, this track offers improved energy efficiency performance. It is installed directly on top of the flooring and can be powder coated to match the system finish.



2 3/16" Standard Surface Track

Similar in design and installation to the 2-3/16" Thermally Broken Standard Surface Track, this is an option for non-thermally broken units. Can be powder coated to match the system finish.



2 3/16" Standard Surface Track (S.74 Out-swing Only)

Similar in design to the 2-3/16" Thermally Broken Standard Surface Track, but created with the ability to have a wood-clad interior surface. Perfect for installation that requires the track to be exposed.



HANDLE OPTIONS

Choose from several handle designs and finishes for your Folding Door System. Interested in selecting a handle not pictured below? Our engineering & design team is here to assist you with further customizable options!

Panda 100



Our standard throw handle. The finish is powder coated to match the system.

Panda 200



This pull handle (also known as a D-Ring) is used on every Folding Door system to pull door panels together to operate the throw handle when closing the system. Finish is powder coated to match the system.

Panda 300



An alternative throw handle designed specifically for Ultra folding doors. Finish is powder coated to match the system.

Panda-V



An alternative throw handle design for wood systems. Finish is powder coated to match the system.

Panda-V (Lock)



An alternate throw handle designed for wood systems. Finish is powder coated to match the system.

Aria



Swing door handle used on systems that incorporate daily-use doors. Choose from White, Bronze, Black, Brushed Chrome, and Satin Chrome.

Aria Throw



Alternate throw handle design that matches the swing door handle style 'Aria'. The finish is powder coated to match the system.

Acacia



Swing door handle used on systems that incorporate daily-use doors. Choose from White, Bronze, Black, Brushed Chrome, and Satin Chrome.

Summit



An alternate swing door handle used on systems that incorporate daily-use doors. Choose from Bronze, Silver, Brushed Chrome, Brass, and Satin Chrome.

Verona



ADA-compliant swing door handle used on systems that incorporate daily-use doors. Choose from White, Bronze, Black, Brushed Chrome, and Satin Chrome.

GLASS OPTIONS

Low-E glass comes standard for all units. If you require a specific Low-E or no Low-E option, we will be happy to advise you on the best type of glass for your project!



SEGMENTED RADIUS

Panda is pleased to offer a segmented, curved Folding Door System, also known as a segmented radius system. Intended for projects designed with a radius system where the client prefers a folding door over a sliding system. Panda is ready to work with you to design, customize, and build the right system for your project!

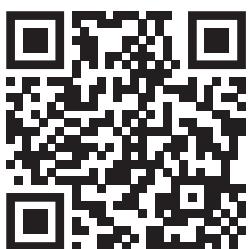


STILES/PANEL INFO

| Model | Material & Construction | Panel Thickness | Stile & Rail Profile |
|---|---|-------------------|----------------------|
| S.51 Aluminum | Aluminum extrusions with wall thickness of up to 1/8". | 2 $\frac{3}{8}$ " | 2 $\frac{1}{16}$ " |
| US.51 Aluminum Ultra | Additional stile support to withstand heavier loads. | 2 $\frac{3}{8}$ " | 2 $\frac{1}{16}$ " |
| TS.60 Thermally Broken | Thermal breaks create non-conductive bridge using polyamide iso-bars. | 2 $\frac{3}{8}$ " | 2 $\frac{1}{16}$ " |
| UTS.60 Thermally Broken Ultra | Additional thermally-broken stile support to withstand heavier loads. | 2 $\frac{3}{8}$ " | 2 $\frac{1}{16}$ " |
| ITS.61 Thermally Broken Impact | Tempered reinforced aluminum for larger panels under heavier wind loads with exceptional thermal performance. | 2 $\frac{3}{8}$ " | 2 $\frac{3}{8}$ " |
| UTS.61 Thermally Broken Impact Ultra | Tempered reinforced aluminum for larger panels under heavier wind loads with exceptional thermal performance. | 2 $\frac{3}{8}$ " | 2 $\frac{3}{8}$ " |
| S.66 Solid Wood | Solid Exterior/LVL Wood Core. | 2 $\frac{1}{2}$ " | 4" |
| S.74 Aluminum Wood Clad | Wood panels are taped onto the aluminum extrusion with VHB Tape. | 2 $\frac{5}{8}$ " | 2 $\frac{13}{16}$ " |
| TS.75 Aluminum/Wood Clad Thermally Broken | Thermal breaks with wood cladding provide superior insulation and weather performance. | 2 $\frac{5}{8}$ " | 2 $\frac{13}{16}$ " |

Point your phone camera at the QR codes to view the Tech Sheets!

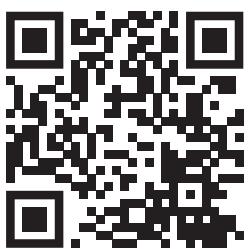
S.51 Aluminum



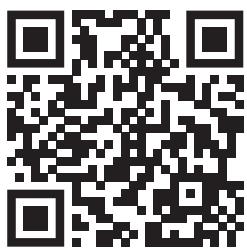
US.51 Aluminum ULTRA



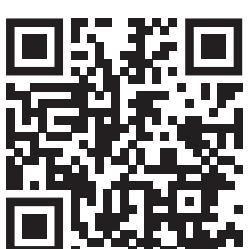
TS.60 Thermally Broken



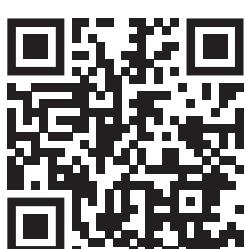
UTS.60 Thermally Broken ULTRA



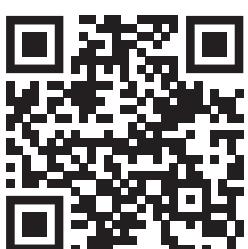
ITS.61 Thermally Broken Impact



UTITS.61 Thermally Broken Impact ULTRA



S.66 Solid Wood



S.74 Aluminum/Wood Clad



TS.75 Aluminum/Wood Clad Thermally Broken



** Point your Phone Camera here to
view the Folding Door animation!