

ATRUM
WINDOWS AND DOORS

*High Performance Vinyl Replacement
Swinging French Doors and Sliding Patio Doors*



ADVANTAGE™ PATIO DOORS



THE Advantage

is Yours

When you start with an Advantage, all things are possible. Atrium's line of Advantage vinyl patio doors open up a world of possibilities for creating a fashionable functional gateway to the outdoor world.

Patio doors that swing in or swing out, or slide back and forth, you decide, that's part of the Advantage. Classic styling, superior construction and virtually maintenance free, Advantage patio doors feature all the benefits of premium, high-performance vinyl doors crafted for outstanding energy efficiency, exceptional strength, and lasting durability. The rigid-vinyl construction and fusion-welded frames create entrances that are as durable as they are beautiful. And that's to your advantage.

Swinging

French Doors

Natural Elegance for Active Lifestyles

The classic design of this Advantage Door will add a stylish French charm accented by the traditional stile and rail look of French doors. This is a door that will become the centerpiece of any décor and brighten-up any room. The large glass panels invite the sunshine and beauty of nature into your home for added light and natural elegance.

Swing-in or swing-out, the Advantage French door is ideal for active families that need care free beauty and performance. The high-performance vinyl assembly is practically maintenance free. The white vinyl color is fully integrated throughout and never needs painting. Just an occasional cleaning keeps it looking like new.



Sliding

Patio Doors

Convenience, Fashion and Function

The convenience, beauty and ease of function built-in to this Advantage Patio Door have been engineered to perform to perfection for years. Superior components and precision crafted quality are your assurance of lasting value. The Advantage sliding patio door is available in a variety of panel and operating configurations that can create the perfect fit and function for your home.

Advantage Patio Doors feature all the benefits of premium, high-performance vinyl that's quality crafted for superior durability and energy efficiency. And they are backed by an unbeatable warranty that assures their practical beauty will last for year.





Swinging *French Doors*

Swing-in or Swing-out



Left & Right Hinged



Left Hinged with Fixed Panel
(Right Hinged available)



Door and Sidelites with Continuous Head and Sill



One Sash Left & Right Hinged

The Advantage Patio Door offers a wide variety of eye opening options to create the perfect fit and function for your lifestyle. These French style doors add out of the ordinary accents and bring a special appeal to any room.

Available in double swing and fixed combination styles that swing-in or swing-out. Turn your patio door into a fashion statement by adding any combination of stylish side-lites, decorative grids and custom glass.

Advantage Patio Doors are premium high-performance doors crafted not just for fashion, but also for energy efficiency and lasting durability. The Advantage is yours.

The Best Features

Provide Outstanding Benefits

Overall frame depth is 5-11/16"

Secure multi-point locking system is standard.

Brass handles are standard on active panels.

Vinyl extrusions are reinforced with aluminum extrusions for structural durability.

Extruded aluminum threshold is standard in gold anodized, white or bronze painted finishes.

Doors come standard with white adjustable hinges. Options include Brite Brass, Brite Chrome, Brushed Chrome and Dark Brown.

Both frame and panels are fusion welded for strength, rigidity and squareness.

Glazing Options includes High Performance LoE³-366 for thermal efficiency and for improved Solar Control.














A 1" set back nail fin is an integral part of the frame for easy installation.



ADJUSTABLE HINGES
Our three adjustable white hinges, standard on each active panel of our french doors, are a distinctive quality feature of the Advantage Door. Adjustable hinges allow for precision vertical and horizontal adjustment during installation and for future door maintenance or alignment. Brass plated adjustable hinges to match the handle set are optional.



BRASS HANDLE
These elegant, brass handles have a commercial grade polished finish for longer life and engage a multi-point locking system; standard on our doors. Their luxurious styling and top quality locking mechanism make them an added bonus to the superb beauty of Atrium's vinyl french doors.

TYPE	STANDARD SIZES	
Viewed From Outside	Callout Size	Net Frame Size
  † Note: Net frame size is larger than callout.	†3068 †3080	36-3/8" x 79-1/2" 36-3/8" x 95-1/2"
     XOL OXR XOR OXL XX	5068 6068 5080 6080	59-3/8" x 79-1/2" 71-3/8" x 79-1/2" 59-3/8" x 95-1/2" 71-3/8" x 95-1/2"
    FXFL FXFR HXHL HXHR	6068 8068 9068 6080 8080 9080	71-3/8" x 79-1/2" 95-3/8" x 79-1/2" 107-3/8" x 79-1/2" 71-3/8" x 95-1/2" 95-3/8" x 95-1/2" 107-3/8" x 95-1/2"
  FXXF HXXH	*8068 9068 10068 *8080 9080 10080	95-3/8" x 79-1/2" 107-3/8" x 79-1/2" 119-3/8" x 79-1/2" 95-3/8" x 95-1/2" 107-3/8" x 95-1/2" 119-3/8" x 95-1/2"

*Standard 34" door panels used, except 8/0 width; 8/0 Width requires 28" door panels.

S P E C I F I C A T I O N S



Available with either standard 2 1/2" sashes or optional 4 1/2" French Style sashes as shown.

Sliding

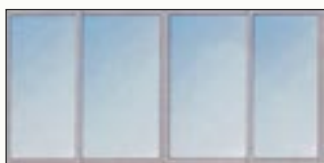
Patio Doors



XO or OX



OXO



OXXO

Welcome the beauty of nature into your home with precision-crafted Advantage Patio Doors. We understand your desire for easy-care, energy efficient doors that are as fashionable as they are functional. That's why we created the Advantage line. These high-performance sliding patio doors add beauty and convenience to your home yet are impervious to the demanding effects of pollution, salt air and extreme weather conditions. Moving parts are crafted from corrosion resistant metal alloys. And the brilliant color is fully integrated throughout the frame. These built-in features enable you to enjoy the luxury of a virtually maintenance free door.

Rugged *Beauty*
For Superior Durability



Fusion welded frame and sash minimizes air and water infiltration and enhances durability.

Aluminum reinforced operating panels ensure life long operation and structural support.

Available in either block, nail fin, flush replacement flange or brickmold frames.

Dual weather seals around door panels retard air/water infiltration and are concealed when the door is open.

Aluminum roller track and vinyl threshold provide durability, ease of operation and are a snap to keep clean.

Host of hardware options to complement any décor.

Equal size glass panels in the sliding and fixed vent create an attractive, symmetrical harmony. Panels are field reversible.

Adjustable twin tandem rollers with stainless steel track assure a smooth operation of sliding door. Roller system is corrosion resistant.

Multi-cavity vinyl chambers improve thermal efficiency/help retard heat transfer.

Extra thick vinyl walls provide superior structural integrity and uniform load support.

Accessory grooves for auxiliary profiles that finish both interior and exterior making installation clean while offering additional installation options.

Heavy duty extruded aluminum screen frame is more durable/performs superior to less expensive roll formed frames.

Stainless steel package includes handle set(s), mortise lock/keeper and rollers/housings.



Strategically located under each door panel, twin tandem steel roller cartridges glide on a stainless steel track. These self-contained components are easily adjusted for maximum ease of operation. Stainless Steel rollers and housings are available for harsh coastal applications.



Double mortise locks are standard on all models.



When the door panels are fully closed an integral vinyl interlock is engaged at the center meeting rail. This double insulated feature blocks air and water infiltration through one of the most susceptible areas of the door. Shown with metal reinforcement used on all Atrium patio doors.



Technology Features Cardinal LoE³-366 Glass

A Measurable Difference

All of our patio doors have the option of high-performance energy efficient glass technology featuring Cardinal LoE³-366 glass. It might just make all other LoE glasses obsolete. LoE³-366 delivers the ideal balance of solar control and high visibility. And it provides the highest levels of year round comfort and energy savings, making it the perfect glass no matter where you live. Studies indicate that the average home can lose up to 30% of its heating and cooling energy through its windows and doors. Today, with our high-performance glass technology, we offer you a proven solution to reject the sun's heat and damaging UV rays- keeping your home cooler, and with less fading damage.

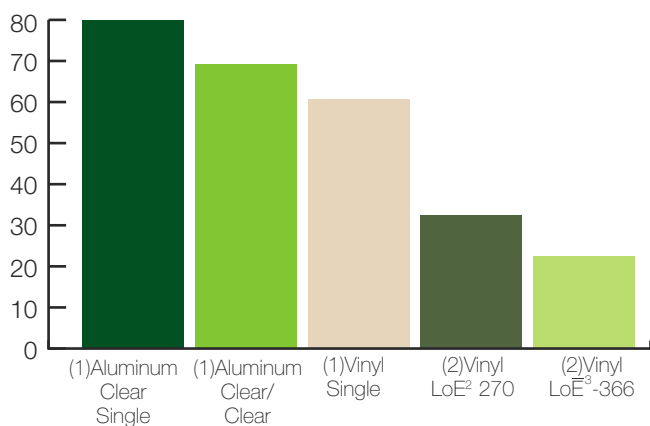
Summer Comfort Inside Surface Temperatures

Product	Outside Surface	Inside Surface
Clear Single	94	94
Clear / Clear	100	90
Cardinal LoE ³ -366	119	80

Fighting Damaging UV Rays

The sun's UV rays are the #1 cause of fading of interior furnishings. Cardinal LoE³-366 blocks 95% of incoming UV light – protection you cannot receive with ordinary LoE glass.

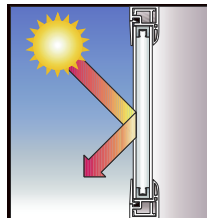
Typical NFRC SHGC Values



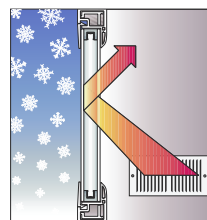
(1) Data supplied by Cardinal Glass Industries

(2) Data based on actual thermal testing and product validation

Product	Fading Transmission		
	UV	TDW-K	TDW
Clear Single	0.71	0.73	0.84
Clear/Clear	0.56	0.60	0.74
Ordinary LoE	0.44	0.68	0.63
Cardinal LoE ³ -366	0.05	---	0.43



In summer, the LoE glass enables visible light to pass while blocking infrared and ultraviolet radiant solar energy. So your rooms stay cooler.



In winter, the LoE glass helps keep rooms warmer by reflecting heat back into the home while letting warm, solar rays in.

3 Layers of Silver

- Ideal balance of solar control and high visibility
- Energy savings and year-round comfort
- Lets more light in and keeps more heat out
- Specially formulated to reject sun's heat

OUR COMMITMENT TO YOU...

A WARRANTY THAT GOES BEYOND THE ORDINARY

A Lifetime Warranty backs every Advantage Patio Doors.

See Atrium Windows and Doors Warranty for complete details.



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