



ZT DOORS

IMPACT WINDOWS & DOORS

COMFORTSHIELD

Vinyl Windows & Patio Doors Spec Sheet

Frame construction, glass upgrades and performance numbers for the ComfortShield vinyl line.

(727) 591-2777
ztdoorsusa.com

6135 142nd Ave N Ste B, Clearwater, FL 33760
Contact us for pricing.

Comfort Shield

High-performance product designs for convenient, everyday protection and comfort.



- **Multichambered frame**

Our vinyl frame has up to 18 insulating air chambers inside — significantly more than ordinary vinyl — to keep homes more comfortable year-round.

- **Weather-resistant design**

Multichambered frame and fully welded sash improve strength and thermal performance, reduce sound transmission and outperform the industry requirements for air infiltration by 53%.¹ Vinyl window sashes with optional performance upgrades are metal-reinforced, creating a window that's extra sturdy and wind-resistant.

- **Unique weather-repel system**

Protect homes with our unique weather-repel system on single- and double-hung windows. It has three points of protection to channel water away from the home — including triple weatherstripping.

- **Fade-resistant vinyl formula**

CWS vinyl uses a fade-resistant formula that is performance tested for excellent weathering, durability and color retention. Our high-grade vinyl resists yellowing and never needs painting and the solid color throughout the vinyl keeps minor dings and scratches virtually invisible.

- **Strong and sturdy frames**

Our precision welding process creates more durable products that resist warping or twisting over time. CWS Comfort Shield window frames are 52% stronger than ordinary vinyl.² Increase energy performance and structural strength with optional performance enhancements such as foam insulation and steel reinforcement.

- **Long-lasting glass seal**

CWS' premium sealant process helps prevent fogging between the panes of insulating glass. The Low-E coating is removed where the glass meets the sealant. This extra step helps reduce the possibility of the glass seal failing — so you can depend on CWS Comfort Shield windows to give years of exceptional energy efficiency and comfort.

- **Testing beyond requirements**

Choose CWS Comfort Shield windows with confidence. At CWS, our products are tested to meet or exceed industry requirements, testing not only the entire window for strength and durability, but individual parts as well. Ensuring long-lasting performance to reduce call-backs for you.

- **Enhanced security and privacy features**

Give your customers more peace of mind with security and privacy features including a tamper prevention system on single- and double-hung windows and between-the-glass blinds on sliding patio doors.

- **Limited lifetime warranty**

CWS products are backed by some of the strongest warranties in the business. See written limited warranty for details, including exceptions and limitations, at cws.cc/resources/warranties.

AVAILABLE IN THESE WINDOW & PATIO DOOR STYLES:



Special shapes also available.

^{1,2} See b

PRODUCT SPECIFICATIONS

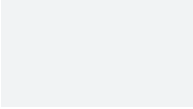
WINDOW & PATIO DOOR STYLES	MIN. WIDTH	MIN. HEIGHT	MAX. WIDTH	MAX. HEIGHT	PERFORMANCE CLASS & GRADE	PERFORMANCE VALUES			FRAME / INSTALL
						U-FACTOR	SHGC	STC	
AWNING Dual-Pane Vent	16"	14-½"	59-½"	43-½"	LC35-LC50	0.26-0.30	0.17-0.43	30	Block Frame Integral Fin Fin with J-Channel 5/8" Flange Frame
AWNING Triple-Pane Vent	16"	14-½"	59-½"	43-½"	LC35-LC50	0.20-0.25	0.19-0.37	34	
CASEMENT Dual-Pane Vent	14-½"	17-½"	35-½"	71-½"	LC35-LC50	0.26-0.30	0.17-0.43	30-33	
CASEMENT Triple-Pane Vent	14-½"	17-½"	35-½"	71-½"	LC35-LC50	0.20-0.24	0.19-0.37	34	
SLIDING WINDOW Dual-Pane Vent	21-½"	11-½"	96"	62"	R25-R50	0.27-0.32	0.20-0.51	25	
SLIDING WINDOW Triple-Pane Vent	21-½"	11-½"	96"	62"	R25-R50	0.20-0.26	0.22-0.44	28	
DOUBLE-HUNG Dual-Pane Vent	14-½"	23-½"	53-½"	86" ⁶	R20-R50	0.27-0.33	0.19-0.49	26	
DOUBLE-HUNG Triple-Pane Vent	14-½"	23-½"	53-½"	78"	R25-R50	0.21-0.27	0.21-0.42	28	
SINGLE-HUNG Dual-Pane Vent	14-½"	23-½"	53-½"	84"	R35-R50	0.27-0.33	0.20-0.51	25	
SINGLE-HUNG Triple-Pane Vent	14-½"	23-½"	53-½"	77-½"	R35-R50	0.21-0.26	0.22-0.44	28	
FIXED FRAME RECTANGLE Dual-Pane	11-½"	11-½"	108" 40 sq. ft. max.	108" 40 sq. ft. max.	CW30-CW50	0.26-0.31	0.21-0.58	26	
FIXED FRAME RECTANGLE Triple-Pane	11-½"	11-½"	108" 40 sq. ft. max.	108" 40 sq. ft. max.	CW30-CW50	0.19–0.24	0.24–0.47	27	
SLIDING PATIO DOOR Dual-Pane, OX or XO ³	46-½"	70-½"	95-½"	95-½"	LC35 - LC50	0.27-0.40	0.19-0.49	26	
SLIDING PATIO DOOR Triple-Pane, OX or XO ³	46-½"	70-½"	95-½"	95-½"	LC35 - LC50	0.22–0.30	0.21-0.42	27	

Colors & Finishes

Frame Color

Create a signature look with a solid-color frame. A solid color throughout the vinyl formula keeps minor dings and scratches virtually invisible.

Solid-Colors:



White



Almond

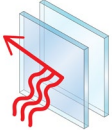


Fossil

Glass Options

Low-E Glass⁴

Our glass collection offers energy saving choices to keep your home comfortable year-round.



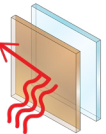
Low-E 270 insulating dual- or triple-pane glass with argon



Low-E 366 insulating dual-pane glass with argon

Additional Glass Options

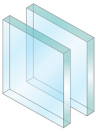
Additional glass options provide added benefits, such as more strength, improved energy efficiency or additional design options.



Bronze-tinted Low-E 270 insulating glass with argon ⁴



Obscure Low-E insulating glass with argon ⁵



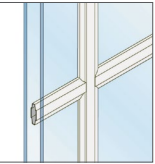
Tempered Glass

Grilles

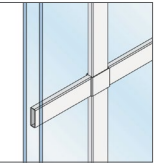
Grilles Types

Grilles are color-matched to your window or patio door interior and exterior frame color.

Grilles-Between-the-Glass:



Contour 3/4"



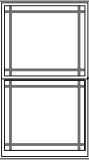
Flat 5/8"

Grille Patterns

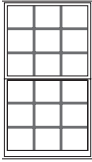
Choose from one of our standard grille patterns or create a unique look with custom patterns.⁶



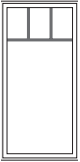
6-Lite
Prairie



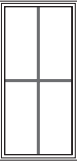
9-Lite
Prairie



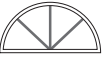
Traditional



Top
Row



Custom



Starburst ⁷



Sunburst ⁷



Perimeter ⁷

Window Hardware

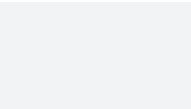
Casement & Awning

Our casement and awning hardware folds neatly out of the way so it won't interfere with roomside window treatments. Finishes match frame color.



Fold-Away Crank

Color-Matched Finishes:



White



Almond



Fossil

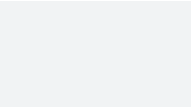
Sliding, Single- & Double-Hung

AutoLock hardware automatically locks the window when it is shut, simply close the sash and confirm it latches.



AutoLock

Color-Matched Finishes:



White



Almond



Fossil

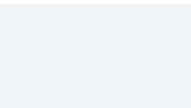
Integrated Sash Lift

Make raising and lowering single- and double-hung window sashes easy with a standard, integrated sash lift.



Integrated Sash Lift

Color-Matched Finishes:



White



Almond



Fossil

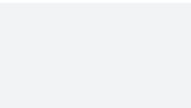
Window Limited Opening Devices

A vent stop can be engaged or disengaged manually and restricts how far the bottom sash of a double-hung window can open. A window opening control device (WOCD) complies with a safety standard and allows for ventilation, emergency escape and rescue when released. A WOCD automatically limits the sash opening to less than four inches, unless it is intentionally disengaged, enabling the sash to fully open.



Vent Stop & Opening Control Device

Color-Matched Finishes:



White



Almond



Fossil

^{3,4,5} See back cover for disclosures.

^{6,7} See b

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Screens⁸

High-Quality
Fiberglass Screen

CWS 18x16 high transparency screens come standard and provide a clearer view than conventional fiberglass screens.

Patio Door Hardware

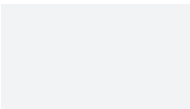
Sliding Patio Door

Match your door's interior and exterior color with a color-matched, corrosion-resistant handle.



Sliding Patio
Door Handle

Color-Matched Finishes:



White



Almond



Fossil

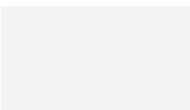
Secure Footbolt

Our footbolt is flush with the frame, providing secondary venting and locking abilities without compromising beauty.



Integrated
Flush Footbolt

Color-Matched Finishes:



White



Almond



Fossil

Blinds-Between-the-Glass⁹

Sliding Patio Door

Add privacy and complement a home's decor with blinds-between-the-glass. Located between panes of glass, blinds are protected from dust, pets and damage.



White

¹ Based on WDMA Hallmark requirements using NFRC model-size windows.

² Based on the force required to bend a window frame profile.

³ Additional configurations available. Contact your local Pella expert for details.

⁴ Optional high-altitude Low-E insulating glass available with or without argon on select products.

⁵ Available in both dual-pane and triple-pane glass.

⁶ Grille patterns offered may vary per product. See specific product information for availability.

⁷ Only available with a curved product or curved glass.

⁸ Warning: Screens will not stop children or pets from falling out of window or door. Keep child or pet away from open window or door.

⁹ Available on dual-pane products in select sizes only. Not available on sliding patio doors with grilles-between-the-glass.

NOTE: Product specifications may change without notice.

Actual colors may vary from those shown and products may vary slightly from illustrations and photos