



JELD-WEN[®]
WINDOWS & DOORS

DF[™] HYBRID
WINDOWS





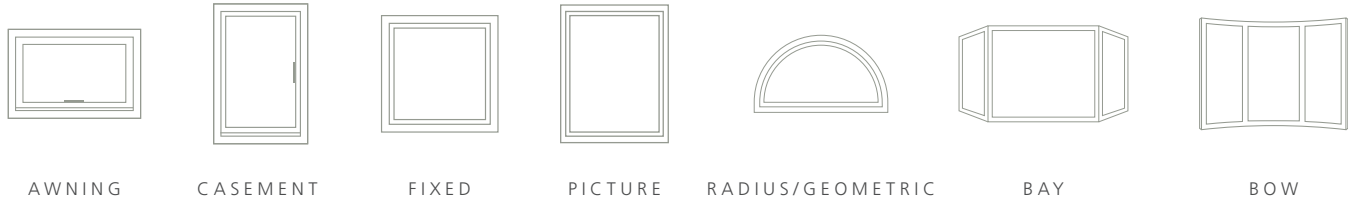
ADD LASTING BEAUTY TO ANY NEW PROJECT

Add innovation, style and durability to any new building with JELD-WEN® DF™ Hybrid Windows. Featuring the benefits of vinyl with the look and feel of aluminum cladding, they aid in energy efficiency and are easy to care for, providing beauty and performance in a single option.

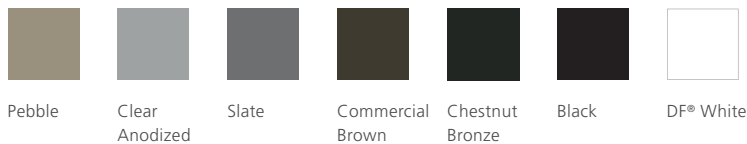
WINDOW STYLES

Continuing a tradition of engineering and delivering innovative products, JELD-WEN offers high-quality, ultra-durable hybrid windows for commercial properties.

Designed to provide years of reliability and dependability, DF™ Hybrid windows offer the easy maintenance and high performance of an all-vinyl product. The addition of an aluminum clad exterior ups the ante. It provides increased durability against the elements and also adds to the distinction of your project.

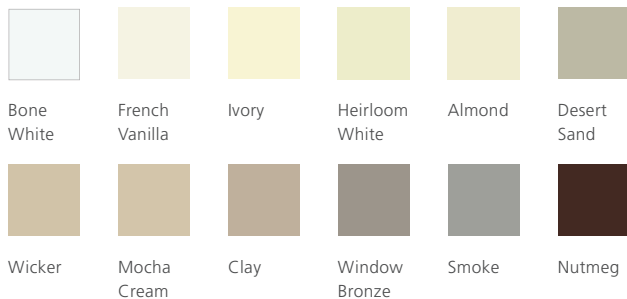


STANDARD EXTERIOR COLORS



DF® White interior standard.

OPTIONAL COLORS (PARTIAL LIST)



A small selection of the wide array of colors available through our DF program.

HARDWARE

Casement & Awning Hardware



Encore® Series Nesting Handle

Contoured operator with folding handle for ease of use. Made from high-performance materials for years of reliable use.



Added Security

Cast metal multi-point window locks for secure locking as well as a tight seal.

EXTERIOR OPTIONS

Exterior Aluminum Mouldings



1 1/2" Brickmould with nailing flange
Also available:
1 1/2" Brickmould without nailing flange



3 1/2" Flat Casing without nailing flange
Also available:
3 1/2" Flat Casing with nailing flange

INTERIOR OPTIONS

Jamb Extensions

Our window jamb extensions are factory applied in your choice of jamb widths and let you match your décor with a variety of options.



Vinyl Jamb



Wood Jamb



Painted Wood Jamb



Standard U-Channel

Integrated U-Channel

An integrated U-Channel allows you to install your own jamb extension on the interior face of the window frame. It will accept 1/2" and 3/4". It can also be used for gypsum wallboard return.

Frame

4 9/16" frame size.

WINDOW DESIGN

DF™ Hybrid windows are easy to customize. Thoughtful design elements, including brickmould and grille choices, provide a wide variety of features to complement the exterior of virtually any building. DF™ Hybrid windows offer two-toned grilles between the glass (GBG). Choose a color for the exterior of the window: the exterior of the grille will match, while the interior remains white.



FEATURES

- Three-point weatherstrip for lasting protection against water and air infiltration, even at low temperatures
- 2 1/4" vinyl sash for rigidity, strength and a tight seal
- Cast metal hardware for exceptional strength and durability

DESIGN

1. Multichambered, white PVC frames
2. 4 9/16" jamb width pushes the window back into the wall for a unique exterior appearance
3. Interior integrated U-channel (for installing jamb extensions)
4. Extruded aluminum-clad sash and integral nail flange (not shown)

GRILLE OPTIONS

Create the traditional look of individual panes of glass with simulated divided lites or grilles between the glass.

Aluminum
(Exterior) Vinyl
(Interior)



7/8" Bead



1 3/8" Bead



2 5/16" Bead

Simulated Divided Lites (SDL)

Grilles are applied to the window glass interior and/or exterior. Exterior grilles are made to match the window color. Interior grilles come in white.



Grilles Between the Glass (GBG)

Flat and Georgian™ grilles are available two-toned in all DF™ Hybrid window colors.



5/8" Flat



3/4" Georgian



1" Flat

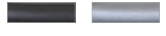


1" Georgian

Grilles between the glass are a non-removable feature built within the glass, making them an attractive, low-maintenance option. They create the luxurious appearance of traditional grilles while offering easy cleaning for both interior and exterior glass surfaces.



White Brass



Pewter Grey

5/16" Pencil Bar



White Black



Pewter Black

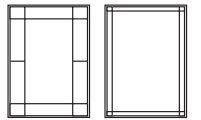
5/16" Square

False Mullions

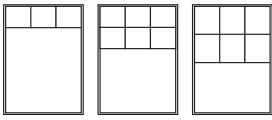
The 2 5/16" Bead is used to create false mullions. To create a sash effect, false mullions are applied on interior and exterior glass surfaces.



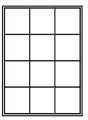
Standard Grille Patterns



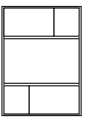
Prairie



Transom



Colonial



Custom Pattern

Sash Profile Options



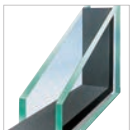
Standard Profile



Contemporary Profile

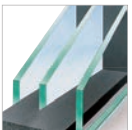
GLASS OPTIONS

Dual-Pane Glass (Standard)



Helps increase energy savings and reduce sound transmission. Achieves STC 40 with laminated glass.

Triple-Pane Insulating Glass

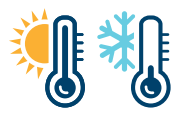


Offers unparalleled performance and superior energy efficiency. Available in Dual LoE-180™ or Dual LoE³-366®.

Low-E Glass



LoE-180™



LoE³-366®

Tempered Glass

Heat-treated for extra strength, to withstand abnormal force or pressure without breaking into sharp pieces.

Laminated Glass

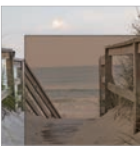
Provides increased protection from incidental impact and an improved barrier against sound and harmful UV rays.

Helping homes stay cooler in the summer and warmer in the winter.

Tinted Glass

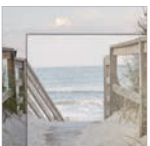


Gray

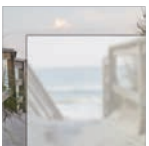


Bronze

Textured Glass



Glue Chip



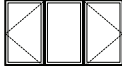




Obscure

LoE³-366® and LoE-180™ are trademarks of Cardinal Glass Industries. Please visit cardinalcorp.com for performance details.

OPERATING OR FIXED CASEMENT SIZING

DF3103 H Series - Composite operating or fixed casement (sash) composite assemblies

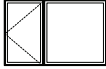







	1 Section		2 Equal Sections		3 Equal Sections		4 Equal Sections		5 Equal Sections	
UP TO SIZE*	31.5" Width	36" Width	63" Width	72" Width	94.5" Width	108" Width	126" Width	144" Width	144" Width	
59" Height	CW PG60	CW PG40	LC PG45	LC PG35	LC PG45	LC PG35	LC PG45	LC PG35	LC PG45	
72" Height	CW PG40	CW PG40	LC PG30	LC PG20	LC PG30	R PG20	LC PG30	R PG20	LC PG30	
78" Height	CW PG40	R PG40	P or N/A	P or N/A	P or N/A	P or N/A	P or N/A	P or N/A	P or N/A	

DF3103 H Series - Combination with 95mm steel reinforcement operating or fixed casement - combination assemblies





	1 Section		2 Equal Sections		3 Equal Sections		4 Equal Sections		5 Equal Sections	
UP TO SIZE*	31.5" Width	36" Width	63" Width	72" Width	94.5" Width	108" Width	126" Width	144" Width	144" Width	
59" Height	CW PG60	CW PG40	CW PG60	CW PG40	CW PG60	CW PG40	CW PG60	CW PG40	CW PG60	
72" Height	CW PG40	CW PG40	CW PG40	CW PG40	CW PG40	CW PG40	CW PG40	CW PG40	CW PG40	
78" Height	CW PG40	R PG40	CW PG40	R PG40	CW PG40	R PG40	CW PG40	R PG40	CW PG40	

DF3103 H Series - composite operating or fixed casement (sash) composite assemblies

	2 LT - Max 110" W	2 LT - Max 114" W	2 LT - Max 120" W	2 LT - Max 144" W
UP TO SIZE*	32" Flanker	36" Flanker	32" Flankers	36" Flankers
59" Height	LC PG25	LC PG25	LC PG30	LC PG25
72" Height	R PG15	R PG15	R PG30	R PG15
78" Height	P or N/A	P or N/A	P or N/A	P or N/A

DF3103 H Series - fixed unit

	1 Section Sash	1 Section Picture	1 Section Sash	1 Section Picture
	32" Width	36" Width	59" Width	72" Width
	CW PG60	CW PG100	P or N/A	CW PG85
	CW PG45	CW PG100	P or N/A	CW PG80
	P or N/A	CW PG100	P or N/A	CW PG75

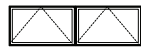
DF3103 H Series - Combination with 95mm steel reinforcement operating or fixed casement - combination assemblies

	2 LT - Max 110" W	2 LT - Max 114" W	2 LT - Max 120" W	2 LT - Max 144" W
UP TO SIZE*	32" Flanker	36" Flanker	32" Flankers	36" Flankers
59" Height	CW PG60	CW PG40	CW PG60	CW PG40
72" Height	CW PG40	CW PG40	CW PG40	CW PG40
78" Height	CW PG40	R PG40	R PG40	R PG40

*Rough opening sizes

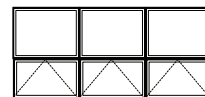
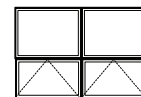
HYBRID AWNING SIZING

DF3113 H Series - Combination with 95mm steel reinforcement operating or fixed awning - combination assemblies



	1 Section			2 Section			3 Section		
UP TO SIZE*	36" Width	47 1/4" Width	52 3/4" Width	72" Width	94 1/2" Width	105 1/2" Width	108" Width	141 3/4" Width	150" Width
31 1/2" Height	LC PG65 CW PG45	LC PG65	LC PG45	LC PG65 CW PG45	LC PG65	LC PG45	LC PG65 CW PG45	LC PG65	LC PG45
44 1/2" Height	CW PG45	LC PG45	LC PG45	CW PG45	LC PG45	LC PG45	CW PG45	LC PG45	LC PG45
72" Height	CW PG45	N/A	N/A	CW PG45	N/A	N/A	CW PG45	N/A	N/A

DF3113 H Series - Combination with 95mm steel reinforcement operating or fixed awning (sash) - combination assemblies



	1 Section/1 Section			2 Section/2 Section			3 Section/3 Section		
UP TO SIZE*	36" Width	47 1/4" Width	52 3/4" Width	72" Width	94 1/2" Width	105 1/2" Width	108" Width	141 3/4" Width	150" Width
63" Height/ 31 1/2" Secondary Height Max	LC PG-65 CW PG-45	LC PG65	LC PG45	LC PG60 CW PG45	LC PG55	LC PG45	LC PG60 CW PG45	LC PG55	LC PG45
89" Height/ 44 1/2" Secondary Height Max	CW PG45	LC PG45	LC PG45	CW PG40	LC PG30	LC PG30	CW PG40	LC PG30	LC PG30
144" Height/ 72" Secondary Height Max	CW PG45	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



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