



*IMPACT &
Non-Impact*

The CLEAR
Advantage[®]
For comfort, luxury & affordability

Vinyl Window Series



8100
Single Hung



8200
Horizontal Slider



8200
Slide-Picture-Slide

8450
Awning

CHOOSE THE STYLE THAT ADDS T

All of CWD's vinyl frame windows come with heavy-duty, aluminum reinforced vinyl with multi-chamber construction. See our Product Offering sheet for more ratings and configurations.

Series 8100 (Single Hung & Twin)

Our 8100 Twin is two windows within one continuous head and sill frame.

The benefits of installing this window are many, including:

- Less time to install (*installing 1 window instead of 2 and a mull bar*)
- Less chance of water intrusion at the mull bar application
- Fewer windows to unload or transport to job sites
- Less complicated installation
- Less chance of failed inspection with factory mull

Technical Data

Non-Impact	MAX DP	Frame Type
72 7/8" x 61 3/4"	+67.5/67.5	8100 Twin, OX, Equal, Cont'd H&S
74 1/8" x 72"	+67.5/-67.5	8100 Twin, OX, Equal, Cont'd H&S
52" x 62" (HVHZ)	+70/-70	8100 OX, Equal
52" x 71" (HVHZ)	+67.5/-67.5	8100 OX, Equal
52" x 96"	+67.5/-67.5	8100 OX w/5 HI sash

Impact

72 7/8" x 61 3/4" (HVHZ)	+67.5/-70	8100 Twin, OX, PVB, Cont'd H&S
74 1/8" x 72" (HVHZ)	+67.5/-67.5	8100 Twin, OX, PVB, Cont'd H&S
36" x 62" (HVHZ)	+67.5/-75	8100 OX, PVB
52" x 72" (HVHZ)	+100/-100	8100 OX, Equal, SGP

Series 8200 (Horizontal Slider & Slide-Picture-Slide)

Technical Data

Non-Impact	MAX DP	Frame Type
73" x 54" (HVHZ)	+60/65	8200 XO, AL MR
125 5/8" x 62"	+30/30	8200 XO
Impact		
74" x 54" (HVHZ)	+60/-60	8200 XO, PVB
72" x 63" (AAMA)	+50/50	8200 LARGE PROJECTS
72" x 63" (HVHZ)	+60/60	8200 XO, PVB, AL. MR
73" x 62" (HVHZ)	+60/-75	8200 XO, SGP, HD AL. MR
111" x 63" (AAMA)	+50/-50	8200 LARGE PROJECTS
111" x 63" (HVHZ)	+60/-60	8200 XO, PVB/SGP, HD AL. MR

8100 & 8200 Self Locking Dual Action Sash Locks





8300 Picture Window



8400 Casement

THE MOST *Beauty* TO YOUR HOME



Qualifications

ers for superior strength, durability, and energy efficiency. The frame depth is 3 1/4" with 7/8" insulated glass.

Series 8150 and 8300 (Picture Window & Architectural)

- The 8150 frame has approximately 1 1/4" less visible glass area than the 8300 frame.
- The flange profile on the 8150 has a 1/2" lower beveled architectural protrusion on the face of the flange than the 8300 frame.
- The 8150 frame uses a snap in sash stop to cover the installation holes in the sash track.
- The 8300 frame uses snap in hole plugs to cover the installation screw holes.
- The 8150 frame matches the 8100 SH and 8200 HR.
- The 8300 frame resembles the 8400 CS and 8450 AW from the exterior.

Technical Data

Non-Impact	MAX DP	Frame Type
50" x 72" (HVHZ)	+55/-55	8150/8300 O, Anneal.
*84" x 96"	+40/-40	8150/8300 O, Anneal.
120" x 48"	+40/-40	8300 OO, Anneal.
Impact		
36" x 72" (HVHZ)	+75/-75	8150 O, PVB
74 1/8" x 72" (HVHZ)	+67.5/-67.5	8150 OO, PVB, Cont'd H&S
62" x 76" (HVHZ)	+67.5/-67.5	8300 O, HS, SGP
72" x 76" (HVHZ)	+67.5/-67.5	8300 O, HS, SGP
120" x 48" (HVHZ)	+70/-70	8300 O, HS, SGP

* 8150 frame is available up to 25 square feet or call for quote

Visit www.cws.cc/8150VS8300 or use the QR code above to view pictures of an 8150 vs. an 8300.



Series 8400 (Casement) & Series 8450 (Awning)

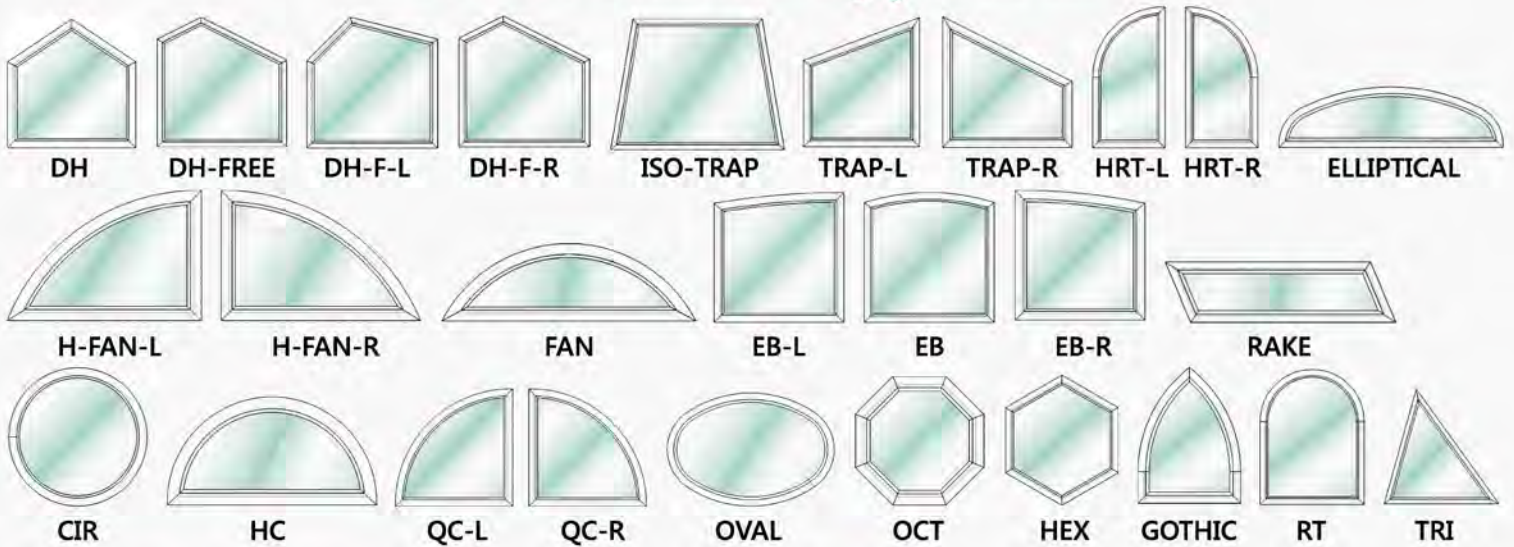
Technical Data

Non-Impact	MAX DP	Frame Type
36" x 72" (HVHZ)	+65/60	8400 X
48" x 36" (HVHZ)	+67.5/-67.5	8450 X
Impact		
37" x 63" (HVHZ)	+60/-60	8400 X, PVB
37" x 72" (HVHZ)	+67.5/-67.5	8400 X, HS, PVB
40" x 63" (HVHZ)	+75/-75	8400 X, HS, PVB
48" x 36" (HVHZ)	+67.5/-67.5	8450 X, PVB

8400 & 8450 Low Profile Operator



Architectural Configurations



Certified To Meet or Exceed Expectations

All CWD vinyl windows are AAMA and NFRC certified, and are compliant with ENERGY STAR® and Green Building standards when ordered with LoE 366. The features listed throughout this brochure helps satisfy LEED™ credits.

• HVHZ approvals on all products

enviro sealed
windows™



CWD vinyl windows are available in three easy-to-clean colors: White, Solid Adobe and Two-Tone Bronze
Also available with special order only:
Two-Tone Brick Red and Two-Tone Forest Green

Clear Advantage Vinyl Series Wind-Pact Plus Large Missile Impact Windows

- Provide a greater level of safety and security
- Increased energy efficiency
- Reduce danger of flying or falling glass
- Resist forced entry
- Dampen unwanted outside sounds
- **Tested to Miami-Dade County, Florida and ASTM specifications for impact**
- Available with energy efficient LoE² & LoE³ Glass
- CWD offers Cardinal NEAT® low maintenance glass which reduces the need to clean the glass

Cardinal LG

The Glass Choice that Protects Your World



PHIFER
BETTERVUE®

IMPROVED VISIBILITY INSECT SCREEN

BetterVue® screens are standard in all CWD vinyl window products.



For more pictures of CWD's Clear Advantage Vinyl Window Series visit <http://www.cws.cc/CAVWS> or use the QR code above.



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