Vistaza

HIGH PERFORMANCE uPVC · THE FLAGSHIP

Vi6.

Quiet, tight and strong.
The 82 mm (3-1/4"), six-chamber window,
with concealed hinges and a steel core.

AW-PG100
Structural class · casement

U 0.17
Best certified · Vi6 casement

STC 47
OITC 40 · acoustic glass

Brochure · October 2026

THREE THINGS WE LOVE ABOUT IT

Why it is our flagship.

82 mm

3-1/4" deep, six chambers

1 · HOW IT LOOKS

A corner with no seam.

Every corner of a uPVC frame is welded. On the Vi6 the weld is seamless: the bead is shaped, not milled off, so the two faces meet with no groove, like a mitered metal corner. It shows most on dark colors, where a groove would catch the eye.

Corner weld: seamless · profile 82 mm (3-1/4"), six chambers

The sash corners either side of the post, white inside: no groove at the miter.

15.04

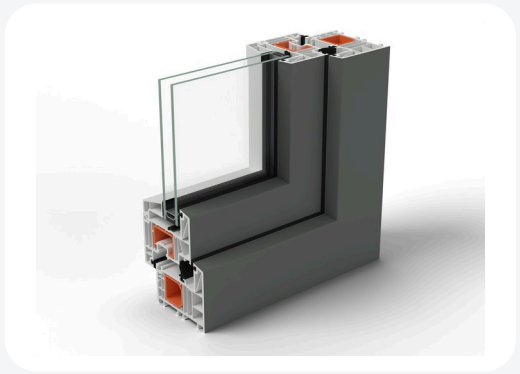
psf water, casement

2 · HOW TIGHT

Three gaskets. Steel inside.

Outer, center and inner: the center gasket is a second barrier to wind-driven water and air. A steel core (orange, left) runs through every sash and frame. The casement earns AW-PG100, the top class in the North American standard: water held at 15.04 psf, air 0.06 cfm/ft².

Structural class: AW-PG100 · design pressure ±100.25 psf



The corner cut open: the steel core in orange, the three gaskets in black, the glass in its rebate.

OITC 40

STC 47, acoustic glass

3 · HOW QUIET

Built for the avenue.

Street noise is OITC, not STC: it weights the low rumble of engines and trains. With the laminated acoustic triple the casement is tested at STC 47 / OITC 40, and the same glass is NFRC-certified at U 0.18, so one window answers the noise and the energy target.

Sound: STC 47 / OITC 40 · Laminated acoustic triple-pane

Concord, Brooklyn: Vi6 with acoustic laminated glass.

TESTED UP TO

The numbers.

The highest each rating has reached in the lab, with the report behind it. Each rating belongs to its own type; your sizes and your glass set the numbers for your building.

15.04
psf water
Casement · test pressure

<0.01
cfm/ft² air
Fixed window, shut

0.16
U-factor, best
In-swing door, NFRC

40
OITC, best
STC 47 · casement

TYPE	CLASS	PRESSURE	WATER	AIR	BEST U	STC / OITC
Fixed	**AW-PG75**	±75.19 psf	15.04 psf	<0.01 cfm/ft²	0.17	46 / 40
Casement	**AW-PG100**	±100.25 psf	15.04 psf	0.06 cfm/ft²	0.17	47 / 40
Hopper	**CW-PG65**	±65.16 psf	12.11 psf	<0.01 cfm/ft²	0.18	46 / 38†
Door, in-swing	**CW-PG65**	±65.16 psf	12.11 psf	0.04 cfm/ft²	0.16	44 / 39
Door, out-swing	**CW-PG30**	±30 psf	4.59 psf	0.04 cfm/ft²	0.17	not tested

THREE WAYS TO GLAZE IT · CASEMENT

Standard
Insulated double-pane
Aluminum spacer · low-E, argon

U 0.27
SHGC 0.23
VT 0.35
STC 33
OITC 27

CPD VST-K-4-00048-00001

Quiet and efficient
Laminated acoustic triple-pane
Warm-edge spacer

U 0.18
SHGC 0.17
VT 0.27
STC 47
OITC 40

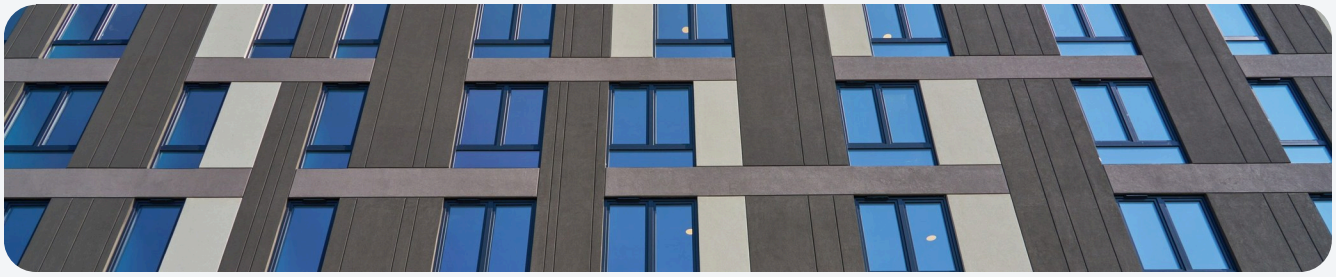
CPD VST-K-4-00266-00001

Best energy
Insulated triple-pane, krypton
Warm-edge spacer

U 0.17
SHGC 0.18
VT 0.28
STC / OITC not tested

CPD VST-K-4-00221-00001

Structural, water and air: Intertek reports, fixed S3615.01-525-44 · casement S3614.03-525-44 · hopper K5829.01-109-44 · in-swing door J8727.01-109-44 · out-swing door K2747.01-109-44. Energy: NFRC-certified; CPD numbers as shown and in the submittal. Sound: Intertek reports J4756, J4759, J4760. † From the casement sound test, which covers the hopper. The out-swing door has no sound test of its own. Energy and sound values belong to different glass.



Atlantic, Brooklyn: Vi6 windows across a nine-story facade.

CONCEALED HINGES

Open it to see the hinge.

The hinges sit inside the frame, in the gap between the sash and the frame. Closed, the window shows no hinge, no cover cap and no knuckle, inside or out. They carry the same weight as an exposed hinge, acoustic triple glass included.

Hinges	Concealed, out of sight when shut
Gaskets	Three: outer, center and inner
Corner weld	Seamless
Steel	A core in every sash and frame
Vent limiter	On every operable window; released only with a special tool

The window handle, silver.

STEP BY STEP

Shut, open, and there it is.

1 · Shut

Closed: a plain white frame. No hinge on show, inside or out.

2 · Open

Turned into the room and held at the vent limiter's stop.

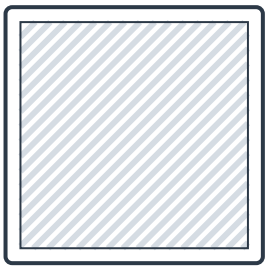
3 · The hinge

At the head of the open sash: the concealed hinge and its stay arm, between sash and frame.

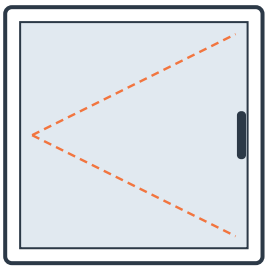
TYPES

One frame. Five ways to open it.

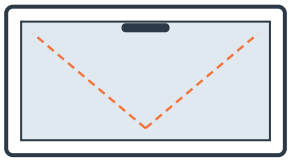
Seen from inside. The dashed triangle points to the hinged edge; the bar is the handle. Every operable sash closes onto its gaskets all the way round.



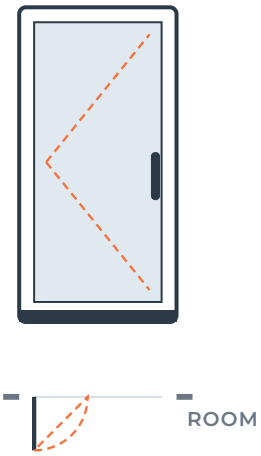
Fixed
Does not open
AW-PG75 · U 0.17



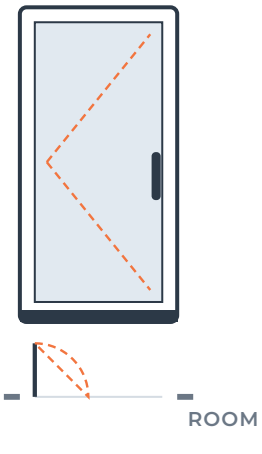
Casement
Hinged at the side
AW-PG100 · U 0.17



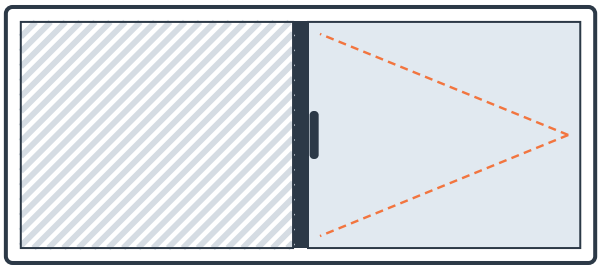
Hopper
Hinged at the sill, tips in at the head
CW-PG65 · U 0.18



Door, in-swing
Swings into the room
CW-PG65 · U 0.16



Door, out-swing
Swings out onto the terrace
CW-PG30 · U 0.17



Casement + fixed
One frame, split by a post: fixed glass on one side, an opening sash on the other.

15 COLORS · INSIDE AND OUTSIDE CAN DIFFER

Black inside and out.

Black outside, white inside.

Gray outside, seen from the street.

The in-swing terrace door from the room, white.

TERRACE DOORS

In-swing or out.

The same frames, colors and glass as the windows beside them, with a steel core, so a terrace door reads as one more opening in the wall.

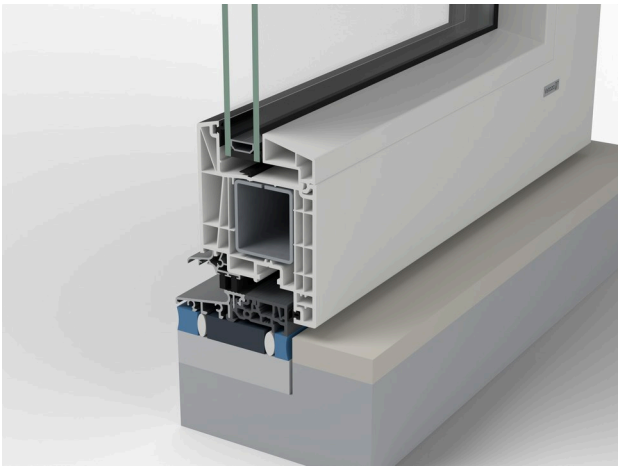
	IN-SWING	OUT-SWING
Class	CW-PG65	CW-PG30
Water	12.11 psf*	4.59 psf
Air	0.04 cfm/ft²	0.04 cfm/ft²
Best U	0.16	0.17
STC / OITC	44 / 39	not tested
Sill	Standard · Accessible	Standard

* On the standard sill, a raised step with a drip edge. The Accessible sill, 1/2 inch high, is offered on the in-swing door and tested on its own.

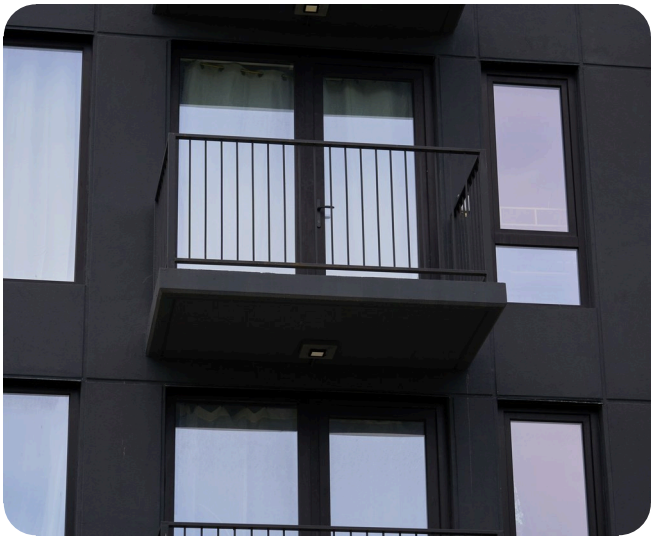
Inside: lever and thumbturn.

Outside: lever on a flat plate.

THE SILL, AND ON A BUILDING



The door cut open at the sill: black outside, white inside, the steel core in every member.



Terrace doors stacked up a Brooklyn facade, E 25th: black frames, each onto its own balcony.

Linden, Brooklyn: Vi6 windows up a brick facade.

SPECIFY IT

LEAD TIMES

1–2 wks
Shop drawings

1–3 days
Revisions

8–10 wks
Delivery

DOWNLOADS

Vi6 cross-sections and components (PDF)
vistaza.com/downloads/vistaza-vi6-cross-sections.pdf

Terrace door cross-sections (PDF)
vistaza.com/downloads/vistaza-terrace-doors-cross-sections.pdf

Guide specification CSI 08 53 13 (PDF, DOCX)
vistaza.com/downloads/vistaza-085313-guide-specification.pdf

WHAT WE NEED FROM YOU

Window schedule
Types, sizes and colors, inside and outside.

Plans and elevations
So we can check each opening against its type.

Performance targets
U-factor, sound or pressure, and we set the glass to match.

Specifying Vi6?

Send the window schedule, plans and elevations.

plans@vistaza.com · 929-668-2340
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Every rating belongs to its own type and tested size; check them against the schedule type by type. Product pictures are our own 3D renders; project photographs are Vistaza's own.

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Kennedy, North Bergen: Vi6 windows and terrace doors in black, one onto each balcony.