

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-PC100

Structural class · casement

Brochure · October 2026

U 0.17

Best certified · Vi6 casement

STC 47

OITC 40 · acoustic glass



THREE THINGS WE LOVE ABOUT IT

Why it is our flagship.

82 mm3-1/4" deep, six
chambers1 · 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

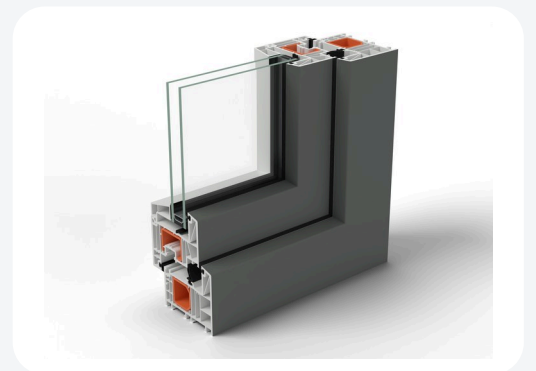


The sash corners either side of the post, white inside: no groove at the miter.

15.04psf water,
casement2 · 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 40STC 47, acoustic
glass3 · 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/ft ²	0.17	46 / 40
Casement	AW-PG100	±100.25 psf	15.04 psf	0.06 cfm/ft ²	0.17	47 / 40
Hopper	CW-PG65	±65.16 psf	12.11 psf	<0.01 cfm/ft ²	0.18	46 / 38†
Door, in-swing	CW-PG65	±65.16 psf	12.11 psf	0.04 cfm/ft ²	0.16	44 / 39
Door, out-swing	CW-PG30	±30 psf	4.59 psf	0.04 cfm/ft ²	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

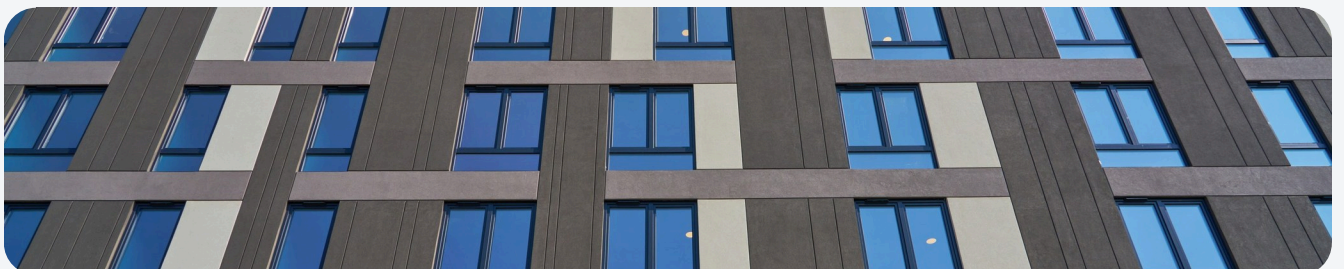
SHGC 0.18

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

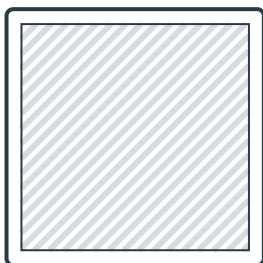


At the head of the open sash: the concealed hinge and its stay arm, between sash and frame.

TYPES

One frame. Five ways to open it.

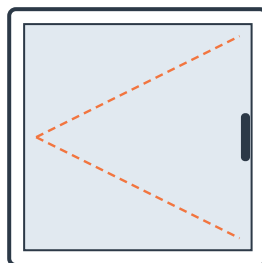
Seen from inside. The dashed triangle points to the hinged edge; the bar is the handle. Every operable sash closes onto its gaskets all the way round.



Fixed

Does not open

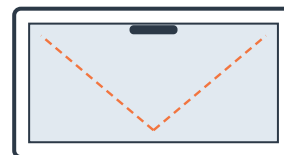
AW-PG75 · U 0.17



Casement

Hinged at the side

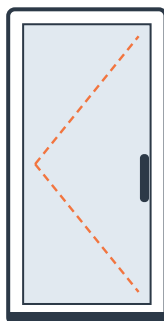
AW-PG100 · U 0.17



Hopper

Hinged at the sill, tips in at the head

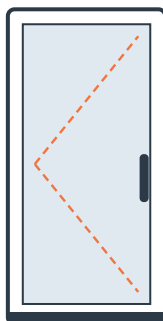
CW-PG65 · U 0.18



Door, in-swing

Swings into the room

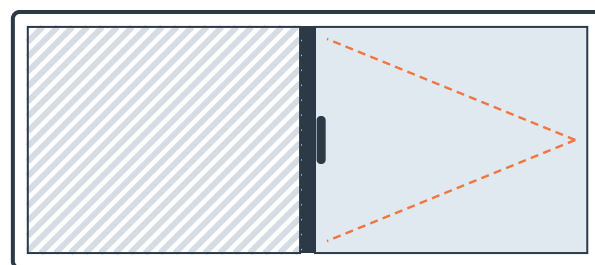
CW-PG65 · U 0.16



Door, out-swing

Swings out onto the terrace

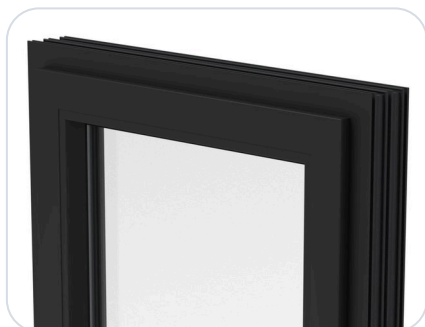
CW-PG30 · U 0.17



Casement + fixed

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

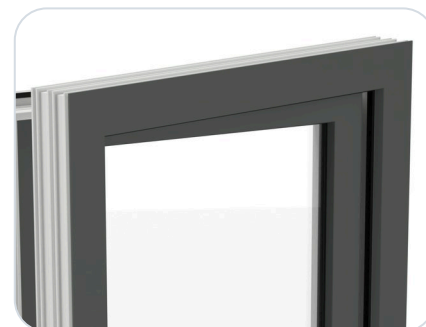
15 COLORS · INSIDE AND OUTSIDE CAN DIFFER



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/ft ²	0.04 cfm/ft ²
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.

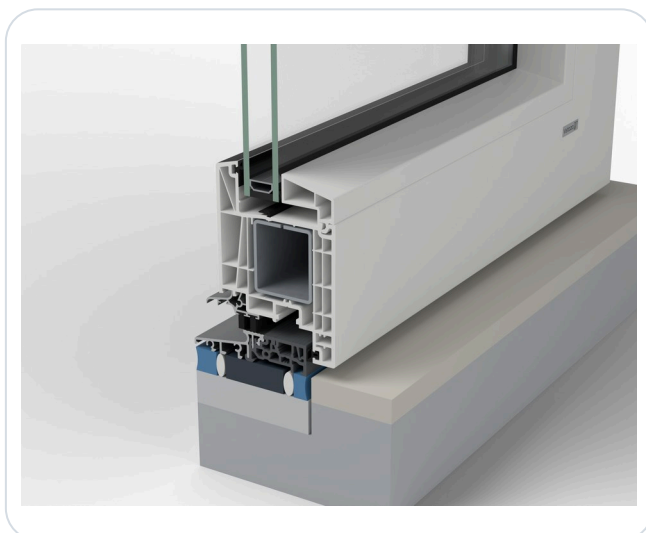


Inside: lever and thumbturn.

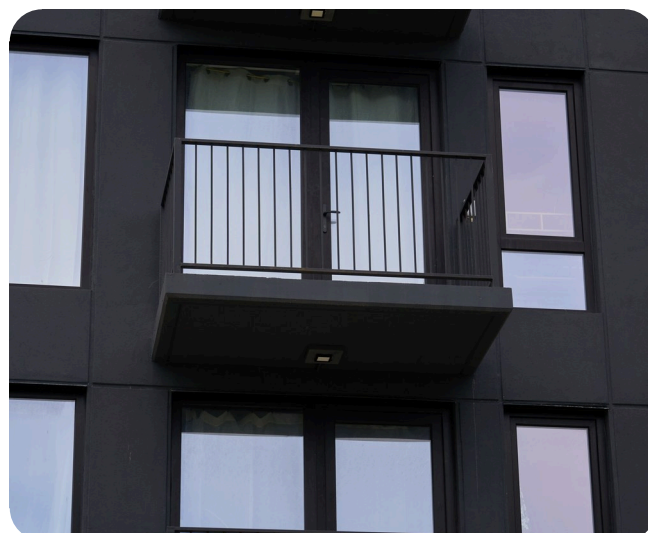


Outside: lever on a flat plate.

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.

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

6007 16th Ave, Suite 201 • Brooklyn, NY 11204

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.



High performance windows and doors.

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Brooklyn, NY 11204

vistaza.com/windows/vi6/

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Giles, the Bronx: Vi6 windows in black, set in brick.