



Since 1978, Gilkey has been one of the most trusted window replacement companies in the country. We specialize in the custom manufacture and installation of the highest quality windows and doors available with excellent long-term value.

Unlike many other home improvement companies, Gilkey focuses on windows, providing a higher level of product knowledge and a commitment to excellent service. Visit our stores in Cincinnati, Chicago, Dayton, Lexington and Louisville.

Gilkey Window Company, we are...

The Window Specialists.



Check Out the Superior Quality- Point by Point



**slope sill option available*

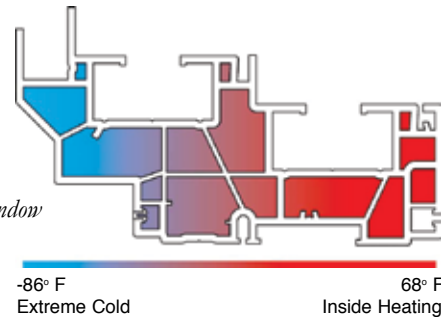
- 23 Chamber honeycomb frame design gives our windows superior insulation and strength outperforming all other foam filled designs
- Structural chambers dramatically improve noise deadening properties
- G-Force Fiberglass Composite reinforcement for extreme sash stability
 - 12-point fusion welded corners gives over 2.5 sq inches of welding surface area per corner
 - Double-walled interior glazing bead designed to withstand wind speeds up to 200 mph
 - Triple fin Aller-Guard weather-stripping with Microban® to resist mold, mildew and bacterial growth. Over 600” on an 84 UI window
- Design Pressure Ratings up to DP60 on Double Hung and DP 80 on Casement window styles
- A superior installation process performed by factory trained Gilkey craftsmen
- Factory Direct Lifetime Warranty including parts, labor and installation that is transferrable
- Gilkey provides the only vinyl windows designed and built in North America that meet strict European building codes.

The Magic of Multichambers

Gilkey multichamber profiles have more chambers than any competing product.

Transition from hot to cold inside the structure is gradual. The system provides superior thermal insulation and the frame is deformation-proof.

The multiple air chambers provide excellent sound abatement.



Gilkey's Exclusive Material

Gilkey windows are made from an exclusive, 100% virgin uPVC powder compound that is entirely lead-free.

This special compound gives you the ultimate in colorfastness and UV protection. Our proprietary blend has twice the amount of Titanium Dioxide than the industry minimum for better resistance to impact and discoloration.



Rugged Glazing Bead

- *The glazing bead is designed to withstand extreme conditions such as winds of 225 mph.*
- *Located inside, the glazing bead provides greater security and facilitates any glazing replacement.*
- *Remember, if the wind can't get in, there's a much better chance your roof will stay on during a severe storm. You, your family, and your home are much more protected when the weather turns against you.*



Fusion-Welded Corners

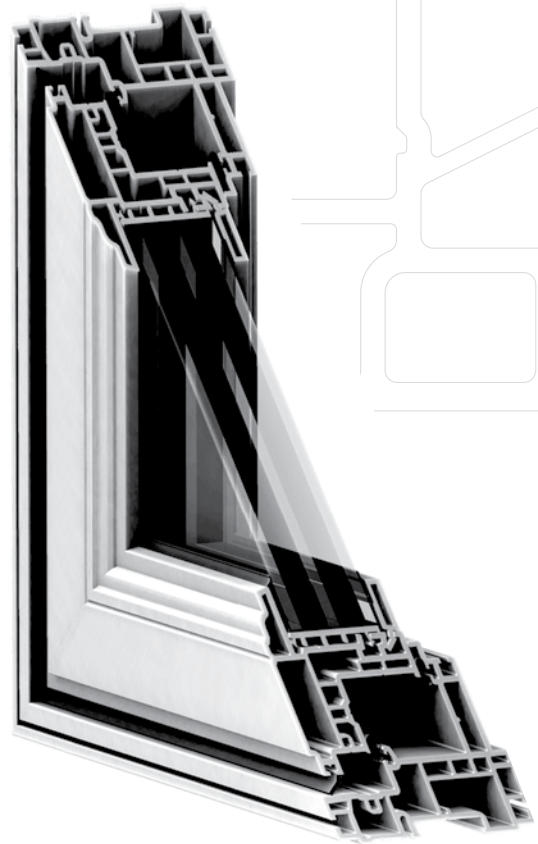
- *Fusion welding provides a more attractive appearance and eliminates the need for adhesives and sealants.*
- *There are no imperfections on the completely watertight and airtight surface.*
- *Internal walls are also welded for increased overall structural strength.*

Designed to Make Life Easier

- *Depending on the model, casement open a full 90° and sashes tilt in for easy cleaning.*
- *Opening mechanism and lock parts come in a corrosion-proof finish for greater durability.*

Double-hung / double-slider windows

Casement / awning windows



DOUBLE-SLIDER



DOUBLE-HUNG



CASEMENT



AWNING

	AAMA 101 / I.S. 2-97
Double-hung / double-slider windows	H-R40 / HS-LC50

Tests performed by an independent laboratory.

Refer to the test report for detailed manufacturing specifications recommended by the extruder.

	CSA A440				AAMA 101 / I.S. 2-97
Casement / awning windows	A3	B7	C5	F2	C-CW60

Tests performed by an independent laboratory.

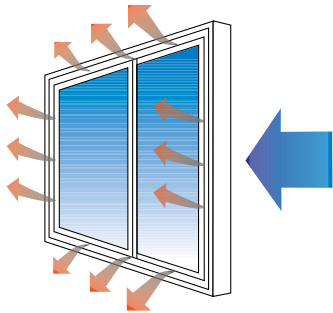
Refer to the test report for detailed manufacturing specifications recommended by the extruder.

Gilkey Window Performance

Air Resistance

Airtightness is measured by applying 75 pascals of pressure – the equivalent of a steady 25 mph wind – to the outside of the window. Interior air infiltration is then measured in cubic feet per minute per foot of window joint.

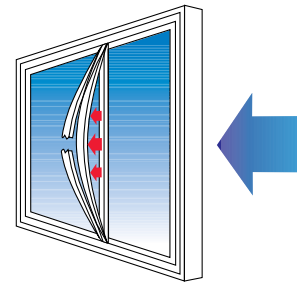
VOLUME OF INFILTRATION	WINDOW TYPE
0.002 cu. ft./min./joint ft.	Gilkey fixed, casement and awning windows
0.086 cu. ft./min./joint ft.	Gilkey sliding and hung windows
0.1 cu. ft./min./joint ft.	High-end
0.3 cu. ft./min./joint ft.	Mid-range
0.5 cu. ft./min./joint ft.	Low-end



Wind Resistance

This test measures the wind pressure a 39" x 63" window can withstand without suffering breakage (structural shattering) or permanent damage (structural deformation). The chart below shows the DP (Design Pressure) ratings or the highest wind loads a window withstands.

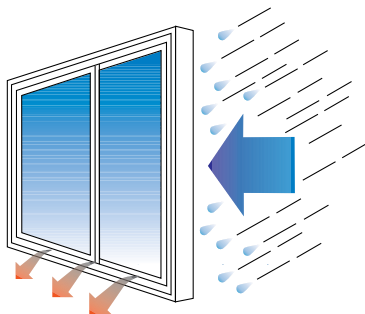
WIND VELOCITY	GRADE (USA)	WINDOW TYPE
220 mph	DP 80	Gilkey fixed, casement and awning windows
190 mph	DP 60	Gilkey sliding and hung windows
180 mph	DP 55	High-end
160 mph	DP 40	Mid-range
94 mph	DP 15	Low-end



Water Resistance

Watertightness is measured by projecting the equivalent of 5 U.S. gallons of water per hour per square foot of window area – the equivalent of 8 in. of rain in 1 hour. Air pressure is increased to simulate winds varying between 35 and 76 mph. Rating indicate the pressure attained without any interior water leakage.

WIND PRESSURE	GRADE (USA)	WINDOW TYPE
700 pascals · 14.6 psf	DP 85	Gilkey fixed, casement and awning windows
400 pascals · 8.4 psf	DP 55	Gilkey slider
290 pascals · 6.0 psf	DP 40	Gilkey hung windows
200 pascals · 4.2 psf	DP 30	Low-end



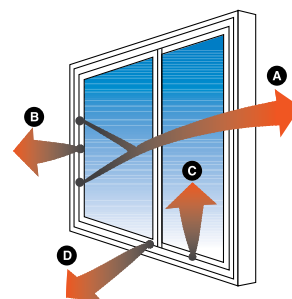
Forced Entry

This test reproduces the efforts of a well-equipped individual attempting to force entry. The test has three phases. Testers begin by trying to force open the window using tools like a knife blade, screwdriver, and wire. They then attach a cable to strategic points on the window and apply increasing loads. If the window continues to resist, they use tools again in a third attempt.

Windows rated F1 have a locking system, but have not been tested for forced entry.

Windows rated F2 have successfully passed the test at level 10. Gilkey windows are rated F2, level 40.

RATING	LEVEL	WINDOW TYPE
Level indicates the initial load applied to the cables		
Level 40	· 300 lb.	Gilkey windows
Level 30	· 250 lb.	High-end
Level 20	· 200 lb.	Mid-range
Level 10	· 150 lb.	Low-end

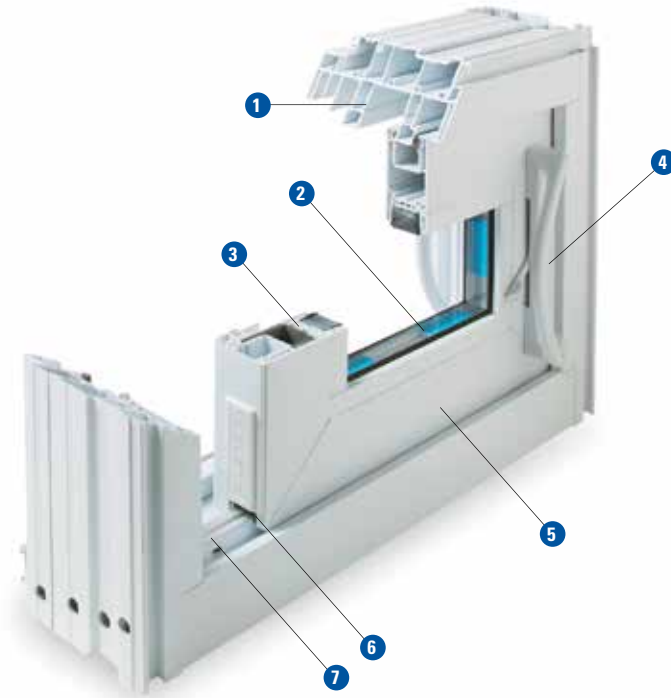


LOAD ORIENTATION

- A Parallel to the window from the handle
- B Perpendicular to the window from the handle, first by pulling then by pushing
- C Parallel to the window at center of the sash, from the bottom upward
- D Perpendicular to the window where sashes meet, toward the interior

The results are from national tests under the following standards:
AAMA NWDA 1011.S2-97

All-uPVC patio door with welded sash



- 1 Strong and deep multi-chamber profiles offer greater thermal efficiency and increased sound abatement.
- 2 Sealed units available with a variety of performance options.
- 3 Triple weather stripping at side stiles and 3-point contact weather stripping at meeting stiles improve insulation, virtually eliminating air infiltration.
- 4 Choice of standard or multipoint locking system.
- 5 Operating panel slides effortlessly.
- 6 Exclusive sliding system featuring adjustable dual tandem 1" wheels ensures smooth, easy and quiet operation (patented).
- 7 Exclusive, high-performance patented water draining system incorporated to the lower sill.

	CGSB 82.1M89				AAMA / WDMA / CSA 101 / I.S.2 / A440-05
All-uPVC patio door	A3	B4	C3	F2	SGD-R55

Tests performed by an independent laboratory.
Refer to the test report for detailed manufacturing specifications recommended by the extruder.

Standard features

Original Vice-Versa™ feature

The direction of opening can be changed from left to right or vice-versa simply by reversing the panels and re-snapping our exclusive wheel system.



Sturdy screen

Rugged features—rigid enameled aluminium alloy frame, self-cleaning tracks, anodized aluminium track built into sill—ensure smooth operation.

Extruded screen with stainless steel screws and patented adjustable spring loaded suspension system in each corner are designed not to derail or jam.



Embedded handle

The embedded handle creates an even more distinctive look and avoids any handle noticeable from outside.



Superior stability

Galvanized steel reinforced panels ensure rigidity and stable operation.



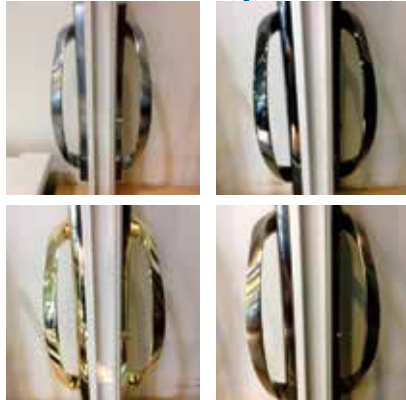
Increased protection

Fixed and mobile panel rails meet and interlock perfectly, making removal from outside almost impossible. Lower sill design provides safer entry and exit.



The sound barrier

Hardware and options



A selection of handles is also available in black or white metal, brass, black nickel, brushed chrome or wood (optional). All locking mechanisms are encased in galvanized steel reinforcement. Round-shaped metal handles are offered with interior/exterior grip.

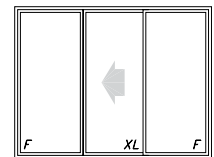
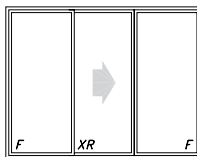
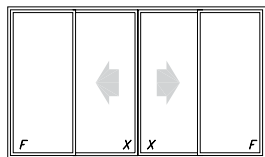
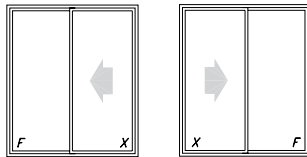


A multipoint locking system (optional) provides optimum resistance and security to forced entry.



Whatever the rigors of the elements (wind, rain, cold, or heat), this window profile system gives you the best protection and the greatest comfort a window can provide. Its remarkable performance is the result of attention to the smallest detail in the quest for product quality, and a manufacturing process that is uncompromising from the moment it starts with virgin 100% uPVC powder until the thickest profile walls in the industry are produced.

Custom designs



This patio door series is available in 2-panel, 3-panel and 4-panel configurations, with a wide range of energy-smart glazing options and decorative grilles.



GILKEY
WINDOW COMPANY

www.GILKEY.com

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Louisville • Lexington
Chicago Ridge • Palatine, IL
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