# Pella® Impervia®

Fiberglass Windows & Patio Doors

Delivering **unmatched strength**.[1]

Engineered for **lasting durability**.



**Pella® Impervia®**
Black casement windows with grilles-between-the-glass
and the revolutionary Easy-Slide Operator hardware solution.



# A Trusted Leader
# **Since 1925**

At Pella, we don't just create windows and doors. We innovate with purpose, design with passion, build with integrity and deliver with pride.

## Rated #1

### by homeowners for innovation[2]

Our drive to give our customers better solutions, improve what we do and how we do it has earned us more than 150 patents on groundbreaking innovations. Our innovations have helped change the window industry and have even set new standards for hardware. Like the revolutionary, patented Easy-Slide Operator hardware for casement and awning windows, which allows you to simply slide to open and close without the effort of cranking.

## Rated #1

### by homeowners for highest quality[2]

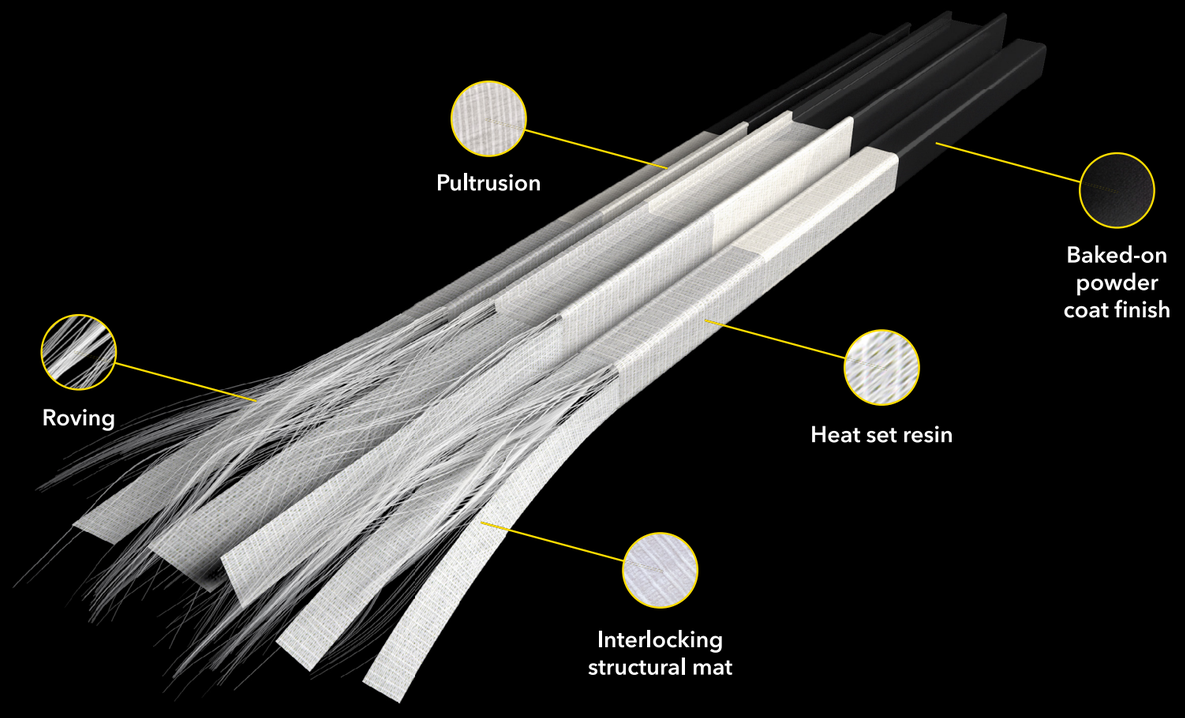
We sweat the details so you don't have to, delivering products created specifically for you. We tried to count the number of quality checks that we do in a typical hour, but we had to stop at 7,502 to get back to work. At Pella, just meeting a standard isn't enough. That's why we test beyond requirements and set a new standard to ensure quality windows and doors that are built to last.

## One of the strongest

### limited lifetime warranties

You can feel confident in your investment. We pride ourselves on providing exceptional quality, exceeding expectations and going beyond requirements. That's why we stand behind all of our Pella Impervia windows and patio doors with a limited lifetime warranty.[3]

[1] Pella's proprietary fiberglass material has displayed superior strength over wood, vinyl, aluminum, wood/plastic composites, and other fiberglass materials used by leading national brands in tensile and 3-point bend tests performed in accordance with ASTM D638 and D790 testing standards.
[2] Study of homeowner perceptions of leading national brands. Study commissioned by Pella, 2021.
[3] See written limited warranties for complete details, including exceptions and limitations, at pella.com/warranty, or contact Pella Customer Service.




# Behind the dominating **strength**

Our exclusive formulation withstands extreme temperatures and the test of time. All thanks to our one-of-a-kind manufacturing process.

### Strength at its core.

Through a one-of-a-kind manufacturing process, our fiberglass starts with our structural mat which places rovings in a specific, intricate order to meet Pella's high strength standards.

### Enduring thermoset material.

With more strategically placed rovings, the materials are pulled through a machine, injected with polymer resin and heated. It creates an entirely new, thermoset material which won't break down when exposed to the elements or lose its shape in extreme heat — unlike other materials.

### Tough-as-nails powder coat finish.

Factory-applied and baked on, our long-lasting powder-coat finish resists chipping, chalking and fading for long-lasting durability and beauty.



# Fiberglass is strong. **We made it the strongest.**

Trusted in tools, boats, bridges and more, fiberglass is a naturally strong and durable material making it a superior choice for windows and patio doors. As a leader in innovation since 1925, we created our proprietary fiberglass to give our customers more — more strength for long-lasting use and thinner profiles with more glass.

## **Stronger** than the competition

Our proprietary fiberglass is superior in strength over wood, vinyl, aluminum, Andersen Fibrex,® a material made of plastic and wood fibers, and other fiberglass materials used by leading national brands.[1,2]

Pella fiberglass won't dent, bend or break as much as the competition.

### Won't dent.

On Average,

**73x**

more impact resistant than Andersen Fibrex.[3]

### Won't bend.

On Average,

**7.8x**

stronger than Andersen Fibrex in a bend test.[4]

### Won't break.

On Average,

**19x**

the tensile strength of Andersen Fibrex.[5]

[1] Pella's proprietary fiberglass material has displayed superior strength over wood, vinyl, aluminum, wood/plastic composites, and other fiberglass materials used by leading national brands in tensile and 3-point bend tests performed in accordance with ASTM D638 and D790 testing standards.
[2] Fibrex is a registered trademark of Andersen® Corporation.
[3] Impact testing performance based on testing 10 samples of each material using ASTM D256, Method C.
[4] 3-point bend testing performance based on testing 7 samples of each material using ASTM D790 test methodology.
[5] Tensile testing performance based on testing 5 samples of each material using ASTM D638 test methodology.

# Engineered to last, and last **and last.**

The benefits of the strongest material for windows and patio doors go beyond just strength.[1] Pella's exclusive fiberglass will never rot or corrode and resists dents, bends and breaks — and the list goes on.

### The confidence of a **strong warranty.**

Pella® Impervia® products are backed by one of the strongest warranties in the business.
See written limited warranty for details, including exceptions and limitations, at pella.com/warranty.

### Rot- and corrosion-free.

Our extremely durable fiberglass will never rot or corrode and is naturally resistant to water and bugs.

### One of the best insulating materials.

Our fiberglass products act as a natural insulator from the outside elements for minimal heat and cold transfer.

### Take the heat (and subzero cold).

Tested from -40ºF to 180ºF, our fiberglass is engineered to withstand the most extreme heat and cold. It will not warp in extreme heat or become brittle in subzero cold.[2]

### Long-term operation.

Our fiberglass has virtually the same expansion and contraction as the glass, almost none. This helps reduce the risk for seal failure and provides long-term stability for dependable operation.

### Resists air and water infiltration.

Engineered for the rigorous performance requirements of a commercial building, Pella Impervia products provide outstanding resistance to water, wind and outside noises.

### No painting or refinishing.

With a heavy-duty, powder-coat finish, Pella fiberglass windows and patio doors resist chipping, chalking and fading — so you never need to paint or refinish.

**Pella Impervia**
Black double-hung windows
with custom grilles-between-the-glass.

[1] Pella's proprietary fiberglass material has displayed superior strength over wood, vinyl, aluminum, wood/plastic composites, and other fiberglass materials used by leading national brands in tensile and 3-point bend tests performed in accordance with ASTM D638 and D790 testing standards.
[2] In testing performed in accordance with ASTM testing standards, Pella's fiberglass has displayed superior performance in strength, ability to withstand extreme heat and cold and resistance to dents and scratches. Special shape windows are made from a fiberglass resin material.



**Pella Impervia**
Black sliding patio doors with color-matched grilles-between-the-glass.

## Designed and tested for a lifetime of everyday use.

Pella Impervia products are designed for the rigors of everyday life. We test our products for a lifetime of everyday use so you can trust them to perform. Our awning and casement window designs have been tested to outlast opening your window once a day for more than 27 years. Our patio door designs have been tested to outlast opening your door three times a day for more than 91 years.



# When it comes to having it all, Pella® Impervia® is an **overachiever.**

Combine the extreme durability of our proprietary, fiberglass material with the beauty and energy efficiency you expect from Pella.

## Unmatched strength & lasting durability.

Pella Impervia windows and patio doors are ready to handle virtually anything life throws at them. Made from our proprietary fiberglass, the strongest material available for windows and patio doors, these products are engineered for lasting durability.[1] With a durable powder-coat finish, your Pella Impervia windows and patio doors never need to be painted or refinished.

## Sleek, timeless style.

Create a timeless design that will stand the test of time. Versatile design elements combined with sleek profiles and clean lines deliver a timeless style. Pella Impervia windows and patio doors feature an up-to-date color palette, including Black, and grilles-between-the-glass to achieve the look and feel you desire.

## Proven performance.

Pella Impervia products are engineered for the rigorous performance requirements of a commercial building so you can trust them to perform in your home.[2] Suitable for all climates, our fiberglass windows and patio doors help you create a comfortable home year-round. Pella Impervia offers energy-efficient options that will meet or exceed ENERGY STAR® guidelines in all 50 states.[3] Optional foam insulation and triple-pane glass further improves energy and sound performance. And with the highest performing low-profile sill, our sliding patio doors have a clean, minimalistic look without compromising performance.

## Available in these window and patio door styles:

Special shapes also available.



**Awning Window** | **Casement Window** | **Single-Hung Window** | **Double-Hung Window** | **Fixed Window** | **Sliding Window** | **Picture Window** | **Bay and Bow Window** | **Sliding Patio Door**

[1] Pella's proprietary fiberglass material has displayed superior strength over wood, vinyl, aluminum, wood/plastic composites, and other fiberglass materials used by leading national brands in tensile and 3-point bend tests performed in accordance with ASTM D638 and D790 testing standards.
[2] Pella Impervia windows and patio doors have a performance grade of LC or higher. For information on product ratings see pella.com/performance.
[3] Some Pella products may not meet ENERGY STAR® guidelines in Canada. For more information, contact your local Pella sales representative or go to energystar.gc.ca.

## Superior strength and durability.

Our proprietary fiberglass is superior in strength to wood, vinyl, aluminum, wood/plastic composites and other fiberglass materials.[1] On average, Pella's fiberglass is 73x more impact resistant than Andersen Fibrex, a material made of plastic and wood fibers.[2]

## Revolutionary hardware solution.

Open your casement and awning windows with one simple motion using the revolutionary Easy-Slide Operator. The slim, sleek design:

- Simply slides to open, without the effort of cranking
- Features precision venting technology to open your window exactly where you want it
- Provides a modern aesthetic paired with a comfort grip for easy use and smooth operation

## Durable three-way corner joints.

For added strength, durability and reliable water performance, Pella Impervia products are secured with corner locks, metal fasteners and injected with sealant.

## Larger designs.

The superior strength of Pella's fiberglass allows you to combine standard and special sized windows together to create larger, unique combinations made just for your remodel or new construction project. Sliding patio doors are also available in larger sizes, with up to three panels and 9' and 10' heights.[3]

[1] Pella's proprietary fiberglass material has displayed superior strength over wood, vinyl, aluminum, wood/plastic composites, and other fiberglass materials used by leading national brands in tensile and 3-point bend tests performed in accordance with ASTM D638 and D790 testing standards.
[2] Impact testing performance based on testing 7 samples of each material using ASTM D256, Method A.
[3] Two- and three-panel sliding patio door configurations that are greater than or equal to 95.5" in height will come knock-down and require field assembly.



# Strongest. Innovative. Tough-as-nails. **Pella® Impervia®.**

## Energy-efficient options.

Energy-efficient dual- and triple-pane glass options with argon help slow the transfer of heat, keeping your home more comfortable year-round — even in the scorching heat of the summer or the cold of the winter. Insulating foam inside the frame is also available for increased energy efficiency.

## Exceptionally strong glass.

Available impact-resistant glass is made of two panes of glass with an exceptionally strong polymer layer located between them. It provides reinforcement and holds the glass together even if it shatters on direct set, casement and awning windows and sliding patio doors.

## Outstanding performance.

Provide outstanding resistance to water, wind and outside noises — while increasing energy efficiency, security and ease of operation.

## Durable powder-coat finish.

Our long-lasting powder-coat finish resists chipping, chalking, and fading and keeps these timeless style windows and patio doors looking great. Available in popular colors, including Black.







**Pella® Impervia®** Black casement windows with patented Easy-Slide Operator hardware.



# Say hello to our award-winning innovation: **the Easy-Slide Operator.**

Discover our most award-winning innovation. Our exclusive Easy-Slide Operator is a patented hardware solution for casement and awning windows.

When Pella introduced the fold-away crank, it changed the window industry and set a new standard for hardware design. Now, we're innovating again to give you an even easier way to open and close your casement and awning windows.

## Slide open, slide closed.

With the same simple motion as dimming the lights with a dimmer switch, the Easy-Slide Operator allows you to easily slide to open and close, without the effort of cranking.

## Sleek, minimal design.

The slim, sleek design is placed discretely on the window for an undisrupted look.

## Secured with precision venting technology.

Using precision venting technology, the hardware features a braking system which allows you to open your window exactly where you want to — and it secures in place.

## Designed for comfort.

The hardware is designed with a comfort grip for easy use and smooth operation and is tucked away to not interfere with window treatments or décor.

## Designed to make life easier.

Founded on Universal Design Principles, the revolutionary Easy-Slide Operator window hardware is designed for inclusivity — to be a solution for all people, regardless of their age or physical ability.



**Easy-Slide Operator**

## Colors & Finishes

**Frame Colors**

Pella® Impervia® windows and patio doors feature a low-maintenance, durable powder-coat paint finish. Our long-lasting powder-coat finish resists chipping and fading so you never need to paint or refinish.

**Solid-Color:**



White | Brown | Black | Tan | Morning Sky Gray

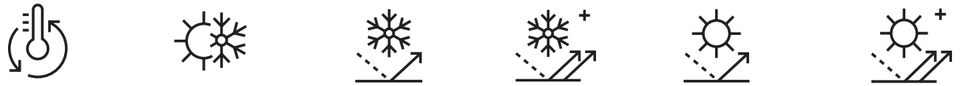
**Dual-Color:**



White Interior with Brown Exterior | White Interior with Black Exterior | White Interior with Tan Exterior | White Interior with Morning Sky Gray Exterior

## Glass & Additional Energy Efficiency Upgrades

**InsulShield® Low-E Glass[1]**



Advanced Low-E insulating dual- or triple-pane glass with argon

AdvancedComfort Low-E insulating dual-pane glass with argon

NaturalSun Low-E insulating dual- or triple-pane glass with argon

NaturalSun+ Low-E insulating dual-pane glass with argon

SunDefense™ Low-E insulating dual- or triple-pane glass with argon

SunDefense+™ Low-E insulating dual-pane glass with argon

**Additional Glass Options**



Clear insulating glass

Tempered glass

Laminated (non-impact-resistant)[2], tinted[3] or obscure glass

STC (Sound Transmission Class) dual-pane sound control glass[4]

Triple Pane[5]

Impact-resistant glass[6]

**Foam Insulation Options**

Optional foam-insulated frame and sash are available to increase energy efficiency.



## Grilles

**Grilles**

Grilles are color-matched to the window or patio door interior and exterior frame color.[7]



Aluminum Grilles-Between-the-Glass 3/4"



Applied Grilles[8]

**Grille Patterns**

In addition to the patterns shown here, custom grille patterns are available.[9]



Traditional | 6-Lite Prairie | 9-Lite Prairie | Top Row | Custom

[1] Optional high-altitude Low-E insulating glass available with or without argon on select products.
[2] For best performance, the laminated glass may be in the interior or exterior pane of the insulating glass, depending on the product.
[3] Available with Advanced Low-E insulating glass with argon with bronze, gray or green tint on select products.
[4] Sound control glass consists of dissimilar glass thickness (3mm/5mm or 5mm/3mm).
[5] Available on direct set, awning and casement windows and sliding patio doors. Not available with AdvancedComfort Low-E glass.
[6] Available on direct set, casement and awning windows and sliding patio doors only. Not available with grilles-between-the-glass.
[7] Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.
[8] Available on direct set windows only.
[9] Grille patterns offered may vary by product. See specific product information for availability.



## Hardware

**Casement & Awning**

Select from two window hardware options for casement and awning windows. The revolutionary, patented Easy-Slide Operator allows you to simply slide to open, without the effort of cranking. Precision venting technology allows you to open your window exactly where you want. And its sleek design provides an undisrupted look. Or select the fold-away crank, that folds neatly away, against the window frame. Neither solution will interfere with roomside window treatments.



Easy-Slide Operator



Fold-Away Crank

**Color-Matched Finishes:**



White | Brown | Matte Black | Tan | Morning Sky Gray

**Additional Finish*:**



Satin Nickel

**Sliding, Single-Hung & Double-Hung**

Pella's cam-action locks pull the sashes against the weatherstripping on single-hung, double-hung and sliding windows for a tighter seal.



Cam-Action Lock

**Color-Matched Finishes:**



White | Brown | Matte Black | Tan | Morning Sky Gray

**Additional Finishes:**



Bright Brass | Oil-Rubbed Bronze | Satin Nickel

**Sliding Patio Door Handle and Secure Vent Lock**

Elevate your style and transform your home with a timeless, easy-to-operate sliding patio door handle. A secure vent lock comes standard and provides added safety and security for your home. It withstands 500 pounds of opening force in the vent lock position.



Sliding Patio Door Handle



Secure Vent Lock

**Color-Matched Finishes:**



White | Brown | Matte Black | Tan | Morning Sky Gray

**Additional Finish*:**



Satin Nickel

## Blinds-Between-the-Glass

**Blinds-Between-the-Glass**

Add privacy and comfort to your home with blinds-between-the-glass for your sliding patio door. Located between panes of glass, blinds are protected from dust, damage and little hands.



White | Slate Gray | Espresso

* Satin Nickel finish not available on Easy-Slide Operator window hardware or Secure Vent Lock on sliding patio doors.

## Screens[1]

**Flat Screen**

InView™ screens come standard and let in 14% more light and are 8% more open for improved airflow compared to conventional fiberglass screens.[2]



**InView™**

[1] Warning: Screen will not stop child or pet from falling out of window or door. Keep child or pet away from open window or door.
[2] Improved airflow is based on calculated screen cloth openness. Screen cloth transmittance was measured using an integrated sphere spectrophotometer.



**Pella® Impervia®**
Black fixed windows and
Black picture windows with
grilles-between-the-glass.

Pella LIMITED LIFETIME WARRANTY

### The confidence of a strong warranty.

Pella Impervia products are backed by one of the strongest warranties in the business.
See written limited warranty for details, including exceptions and limitations, at pella.com/warranty.

**NOTE:** Product specifications may change without notice.
Actual colors may vary from those shown and products may vary slightly from illustrations and photos.

**Want to learn more? Call us at 833-44-PELLA or visit pella.com**

ASK ABOUT ENERGY STAR

© 2025 Pella Corporation. All rights reserved. PI0625 | W614100