

Pella® Impervia®

Fiberglass Windows & Patio Doors



Delivering **unmatched strength.**¹
Engineered for **lasting durability.**



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



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 innovation²

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, patent-pending 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

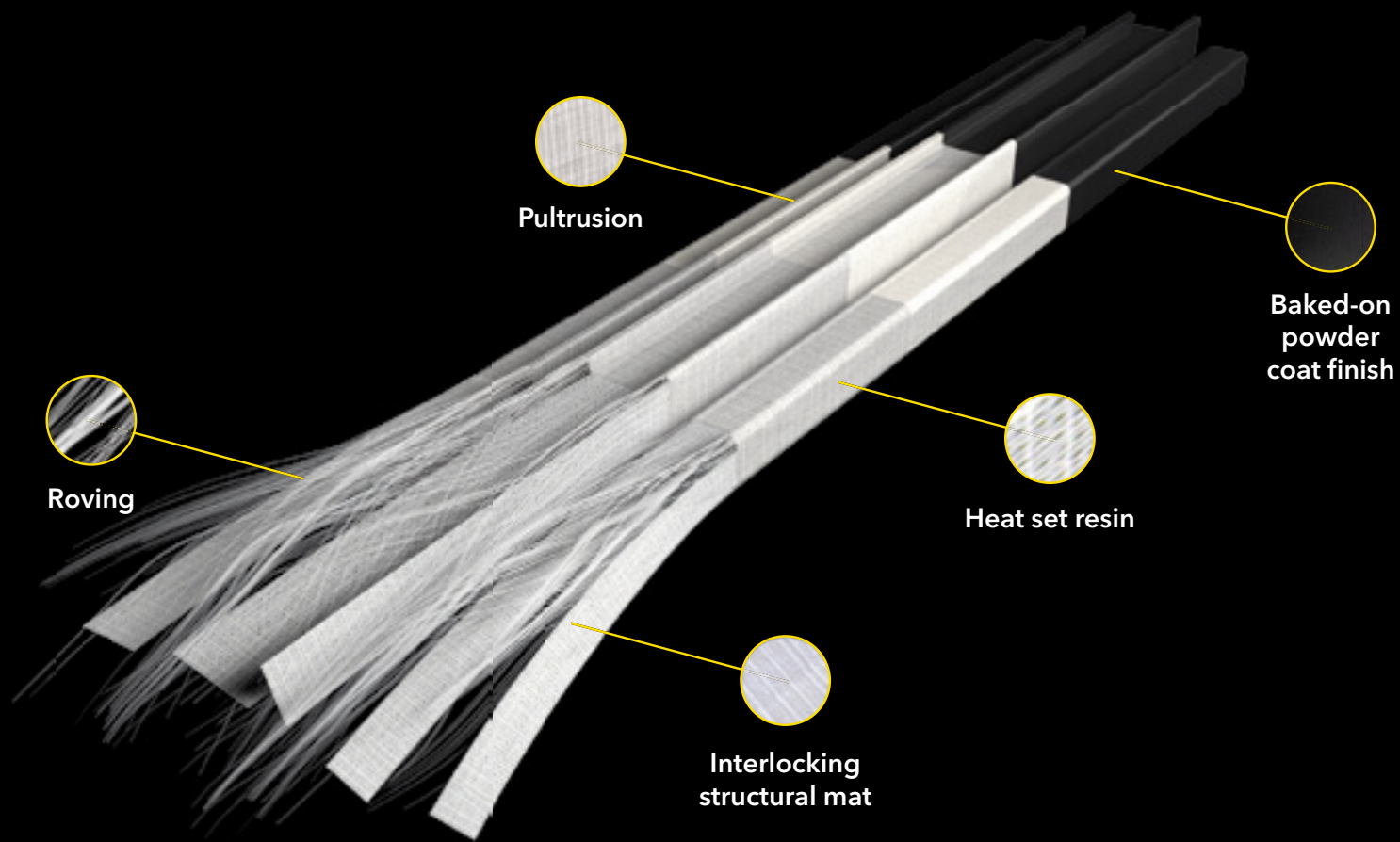
by homeowners for highest quality²

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 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, 2019.
³ See written limited warranties for complete details, including exceptions and limitations, at pella.com/warranty, or contact Pella Customer Service.



Behind the strength

Our exclusive formulation withstands extreme temperatures and the test of time. All thanks to our one-of-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, Fibrex®, a leading wood/plastic composite and other fiberglass materials used by leading national brands.^{1,2}

Resists dents.

On Average,
100x
more impact resistant than Fibrex.³

Resists bends.

On Average,
10x
stronger than Fibrex in a bend test.⁴

Resists breaks.

On Average,
20x
the tensile strength of 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 7 samples of each material using ASTM D256, Method A.

⁴ 3-point bend testing performance based on testing 10 samples of each material using ASTM D790 test methodology.

⁵ Tensile testing performance based on testing 7 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.

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 -40°F to 180°F, 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.



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.

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 casement
 windows with grilles-
 between-the-glass
 and the revolutionary
 Easy-Slide Operator
 hardware solution.



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.

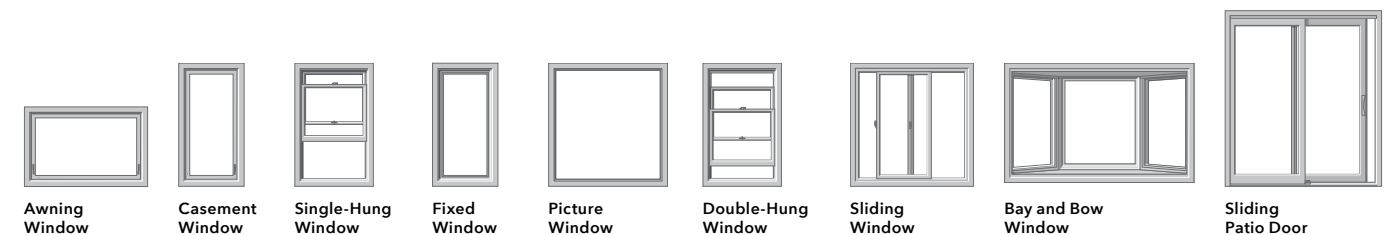
Create a timeless design that will stand the test of time. Versatile design elements combined with sleek profiles and clean lines deliver a timeless style. Pella Impervia windows and patio doors offer solid and dual-color frames in an up-to-date color palette, including Black, and grilles-between-the-glass 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.

Available in these window & patio door styles:

Special shapes also available.



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 100x more impact resistant than a leading wood/plastic composite.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 window 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.

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.

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 looking great. Available in five colors, including Black.

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.



Say hello to our latest innovation: **the Easy-Slide Operator.**

Discover the next big thing. Our exclusive Easy-Slide Operator is a patent-pending 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.



Pella® Impervia®
Black casement windows
with patent-pending
Easy-Slide Operator
hardware.

Colors & Finishes

Frame Colors

Pella® Impervia® windows and patio doors feature a low-maintenance, durable powder-coat paint finish. Dual-color frames allow you to choose a different color for the exterior with a White interior.

Solid-Color:



Dual-Color:



Glass & Additional Energy Efficiency Upgrades

InsulShield® Low-E Glass¹



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



Advanced Comfort Low-E insulating dual-pane glass with argon



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



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

Additional Glass Options



Clear insulating glass



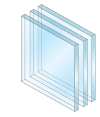
Tempered glass



Laminated (non-impact-resistant)², tinted³ or obscure glass also available on select products



STC (Sound Transmission Class)-improved dual-pane sound control glass⁴



Triple Pane⁵

Foam Insulation Options

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

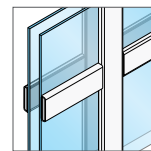
Grilles

Grilles

Grilles are color-matched to the window or patio door interior and exterior frame color.⁶



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



Applied Grilles⁷

Grille Patterns

In addition to the patterns shown here, custom grille patterns are available.⁸



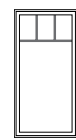
Traditional



6-Lite Prairie



9-Lite Prairie



Top Row



Custom

¹Optional high-altitude Low-E insulating glass available with or without argon on select products.

²For best performance, the laminated glass may be in the interior or exterior pane of the insulating glass, depending on the product.

³Available with Advanced Low-E insulating glass with argon with bronze, gray or green tint on select products

⁴Sound control glass consists of dissimilar glass thickness (3mm/5mm or 5mm/3mm).

⁵Available on direct set, awning and casement windows. Not available with AdvancedComfort Low-E glass.

⁶Appearance of exterior grille color may vary depending on the Low-E insulating glass selection

⁷Available on direct set windows only.

⁸Grille patterns offered may vary by product. See specific product information for availability.

Screens¹

Flat

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



Conventional



InView™

Hardware

Casement & Awning

Select from two window hardware options for casement and awning windows. The revolutionary, patent-pending, 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.

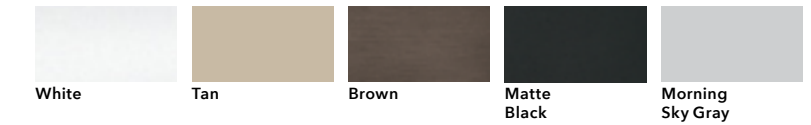


Easy-Slide Operator



Fold-Away Crank

Color-Matched Finishes:



Additional Finishes³:



Satin Nickel

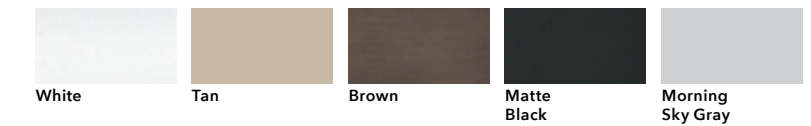
Sliding, Single-Hung & Double-Hung

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

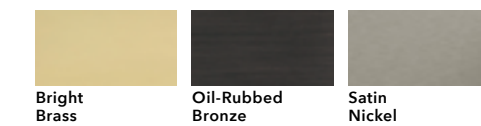


Cam-Action Lock

Color-Matched Finishes:



Additional Finishes:



Bright Brass

Oil-Rubbed Bronze

Satin Nickel

Sliding Patio Door

Open and close the door with one hand with a convenient thumblock.



Sliding Patio Door Handle

Color-Matched Finishes:



Additional Finishes:



Bright Brass

Oil-Rubbed Bronze

Satin Nickel

Antique Brass

Chrome

Footbolt

A footbolt comes standard on all sliding patio doors and holds the door open about three inches for ventilation.

¹Warning: Screen will not stop child or pet from falling out of window or door. Keep child or pet away from open window or door.

²Improved airflow is based on calculated screen cloth openness. Screen cloth transmittance was measured using an integrated sphere spectrophotometer.

³Satin Nickel finish not available on Easy-Slide Operator window hardware.

Let's Go Shopping

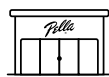
Whether you are in a showroom or at home, Pella has the tools and expertise you need to make the right decision – and make it with greater ease.



Your Pella Representative

Free In-Home Consultation

Get inspired from the comfort of your own home. Schedule a free in-home consultation and a Pella Design Expert will come to you. They'll help you find the right product for your home and budget and provide measurements and a free quote.



Discover Pella Experience Centers

Want to see products in person? Visit a Pella Experience Center to work with a dedicated window and door expert. They will curate products to perfectly complement your life and project. Touch products in person and see the latest innovations.



Visit Pella.com

Start from the comfort of your own home. Explore the possibilities online to match your home and personal style, and improve your home's curb appeal. Discover the innovations, features and options that make Pella® windows and doors an exceptional addition to your home.



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.

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



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