

# Pella® Impervia®

Fiberglass windows and patio doors

## Exceptional durability

Achieve commercial grade strength and lasting durability for your customers' long-term return on investment.

- Our proprietary fiberglass is the strongest fiberglass material for windows and patio doors.<sup>1</sup>
- Our fiberglass has, on average, 1.8x the tensile strength of conventional fiberglass.<sup>2</sup>
- Powder-coat finish meets AAMA 624, a highly-rated fiberglass coating.
- The baked on powder-coat finish resists chalking and fading and is more durable than conventional paint.
- Added strength, durability and reliable water performance including a durable three-way corner joint.

## Glazing flexibility

Pella Impervia products are available with a variety of glazing options.

- Optional sound control and triple glazing for casement, awning and direct set windows and sliding patio doors.
- Optional louvers and spandrel.
- Available in large sizes with sleek profiles and more glass.
- Available with extruded aluminum grilles that are adhered to both sides of the insulating glass to provide the look of an aluminum storefront with the energy efficiency of fiberglass.<sup>3</sup>

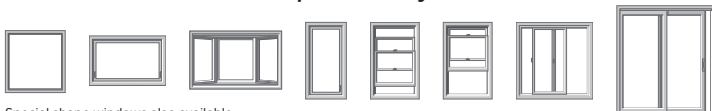
## Engineered structure

We offer several engineered options so you can meet the unique needs of your project.

- Fully factory joined or factory prepared joining kits for full flexibility in design and jobsite coordination.
- Structured mulls for commercial buildings are verified through rigorous engineering evaluation and testing to ensure your products are built to last.
- The sliding patio door features the industry's lowest standard sill design with high performance.<sup>4</sup>
- Optional sill filler adapter enables ADA specifications to be met on Pella Impervia sliding patio doors by reducing the change in height of the sill and achieving the necessary slope requirements.



Available in these window and patio door styles:



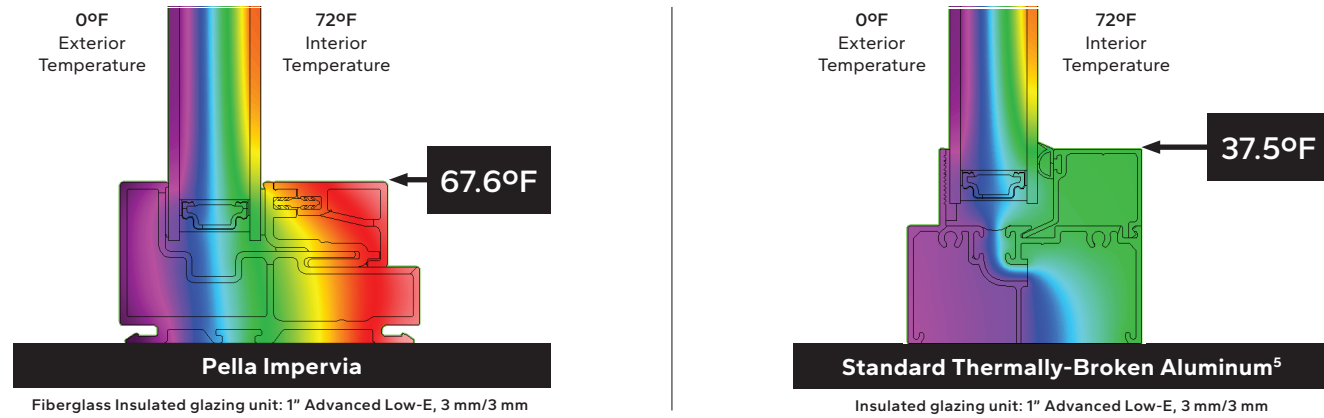
Special shape windows also available.

<sup>1,2,3,4</sup> See back cover for disclosures.



Commercial

## Pella® Impervia® vs. Aluminum



### Commercial performance.

Engineered to meet the rigorous specification and performance requirements of a commercial building, Pella Impervia products provide outstanding resistance to water, wind and outside noises.<sup>6</sup> Pella Impervia windows and patio doors offer an incredible value for water and structural performance, energy efficiency and cost-effectiveness. Our engineers perform an engineering review of proposed windows and doors to verify performance requirements are met.

### Commercial installation systems and support.

Our exclusive installation methods help save you time and reduce costly callbacks. From the latest construction trends in new buildings to existing buildings needing retrofits, we provide a comprehensive array of installation solutions and accessories to meet most low- to mid-rise commercial project requirements. And with our dedicated team of engineers, architects, drafters and installation experts, we are ready to collaborate with you, from initial concept to punch list.

### Confidence of a strong warranty.<sup>7</sup>

We know your reputation matters and we're committed to doing things right – even if it means doing things a little differently. We stand behind our products with some of the strongest warranties in the business.

## Product Specifications

| Window & Patio Door Styles       | Min. Width | Min. Height | Max. Width           | Max. Height | Design Pressure | U-Factor  | SHGC      | HVHZ | FL #  |
|----------------------------------|------------|-------------|----------------------|-------------|-----------------|-----------|-----------|------|-------|
| Vent Awning                      | 20"        | 17-1/2"     | 59-1/2"              | 59-1/2"     | +50/-50         | 0.18-0.48 | 0.16-0.55 | No   | 35281 |
| Fixed Awning                     | 13-1/2"    | 11-1/2"     | 71-1/2"              | 79-1/2"     | +50/-50         | 0.16-0.49 | 0.18-0.63 | No   | 35284 |
| Vent Casement                    | 17-1/2"    | 20"         | 37-1/2" <sup>8</sup> | 79-1/2"     | +50/-50         | 0.26-0.45 | 0.18-0.55 | No   | 35278 |
| Fixed Casement                   | 13-1/2"    | 11-1/2"     | 71-1/2"              | 79-1/2"     | +50/-50         | 0.22-0.48 | 0.20-0.62 | No   | 35284 |
| Vent Double-Hung                 | 17-1/2"    | 29-1/2"     | 47-1/2"              | 77-1/2"     | LC30-LC50       | 0.25-0.49 | 0.19-0.58 | No   | 12600 |
| Vent Single-Hung                 | 17-1/2"    | 23-1/2"     | 47-1/2"              | 77-1/2"     | LC40-LC50       | 0.24-0.51 | 0.19-0.59 | No   | 12602 |
| Sliding Window (OX, XO)          | 23-1/2"    | 11-1/2"     | 71-1/2"              | 71-1/2"     | LC30-LC50       | 0.25-0.50 | 0.19-0.59 | No   | 12604 |
| Sliding Window (XOX)             | 47-1/2"    | 17-1/2"     | 107-1/2"             | 71-1/2"     | LC30-LC50       | 0.25-0.50 | 0.19-0.59 | No   | 12604 |
| Fixed Frame Direct Set           | 11-1/2"    | 11-1/2"     | 143-1/2"             | 143-1/2"    | +50/-55         | 0.14-0.46 | 0.18-0.69 | No   | 26584 |
| Sliding Patio Door (One Panel)   | 27"        | 71-1/2"     | 50.-5/8"             | 119-1/2"    | +50/-50         | 0.17-0.48 | 0.19-0.59 | No   | 39352 |
| Sliding Patio Door (Two Panel)   | 59-1/4"    | 71-1/2"     | 95-1/4"              | 119-1/2"    | +50/-50         | 0.17-0.48 | 0.19-0.59 | No   | 39352 |
| Sliding Patio Door (Three Panel) | 91-7/8"    | 71-1/2"     | 145-7/8"             | 119-1/2"    | +50/-50         | 0.17-0.48 | 0.19-0.59 | No   | 39352 |

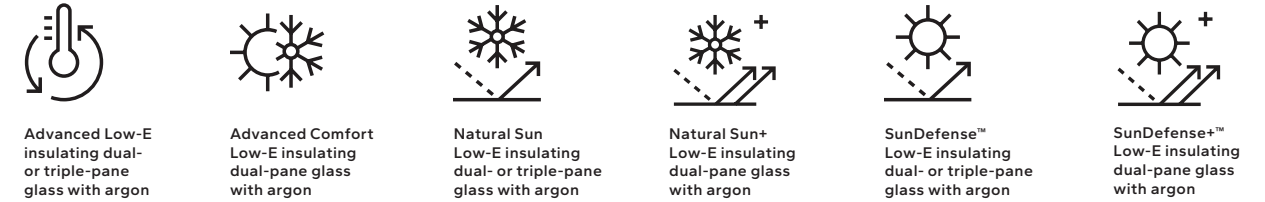
### Window sizes available in 1/8" increments

Maximum square footage rules apply. Maximum width and height cannot exceed the maximum square footage. Special shapes available. 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. Knock-down will be optional for two and three-panel configurations until 95.5" in height.

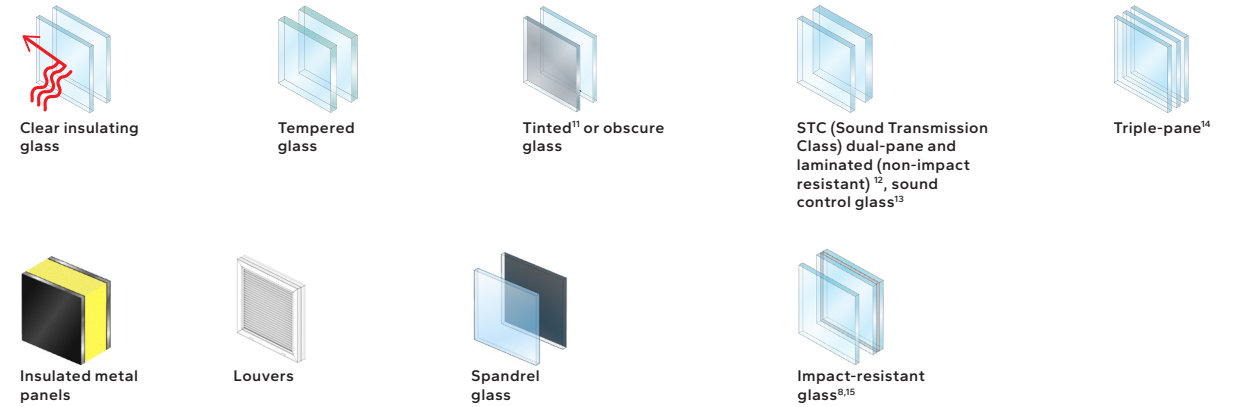
<sup>6, 7, 8</sup> See back cover for disclosures.

## Glass & Additional Energy Efficiency Upgrades

InsulShield® Low-E Glass<sup>9</sup> Pella Impervia products offer energy-efficient options that will meet or exceed ENERGY STAR® guidelines in all 50 states.<sup>10</sup>



### Additional Glazing Options



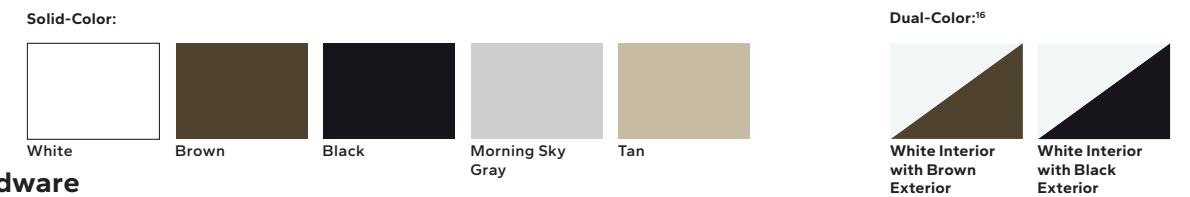
Foam Insulation Options Optional foam-insulated frame and sash are available to increase energy efficiency.



## Colors & Finishes

### Frame Colors

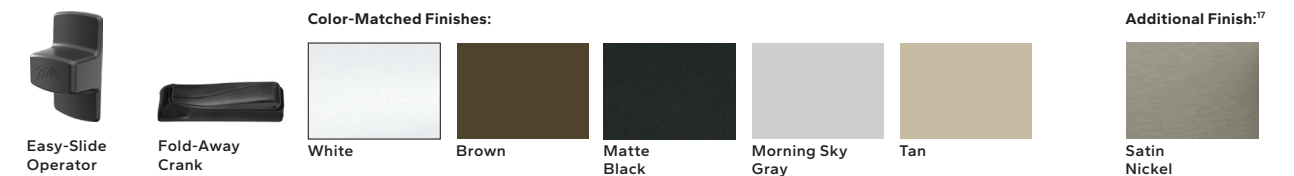
Our long-lasting powder-coat finish resists chipping and fading and meets AAMA 624, which is a highly-rated fiberglass finish.



## Window Hardware

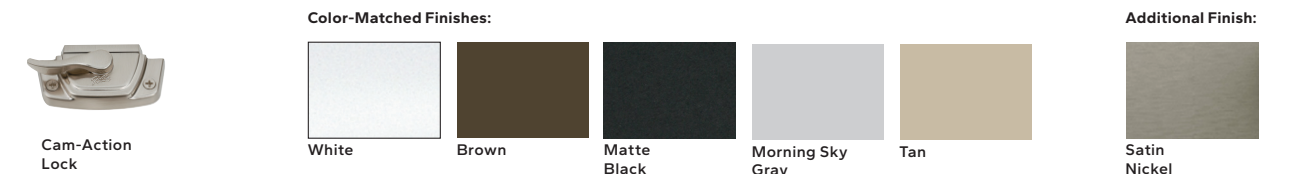
### Casement & Awning

The Easy-Slide Operator is a patent-pending, revolutionary way to operate casement and awning windows. Simply slide to open, without the effort of cranking. With precision venting technology, the window will open to an exact location. Or select the fold-away crank, that folds neatly away, against the window frame. Neither solution will interfere with roomside window treatments.



### Sliding, Single & Double-Hung

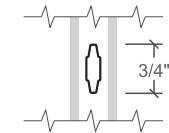
Pella's cam-action lock pulls the sashes against the weatherstripping for a tighter seal.



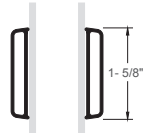
<sup>8, 9, 10, 11, 12, 13, 14, 15, 16, 17</sup> See back cover for disclosures.

## Grilles

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



Aluminum Grilles-Between-the-Glass  $\frac{3}{4}$ "<sup>18</sup>



Applied Grilles<sup>19</sup>

## Patio Door Hardware

### Sliding Patio Door

Elevate a home's style with sleek hardware selections.



Sliding Patio Door Handle

#### Color-Matched Finishes:



White



Brown



Matte Black



Morning Sky Gray



Tan

#### Additional Finish:



Satin Nickel

### Secure Vent Lock

A secure vent lock comes standard on all Pella Impervia sliding doors and provides security in both the closed and venting positions. Secure vent lock is color-matched to the interior of the frame.



Secure Vent Lock

#### Color-Matched Finishes:



White



Brown



Matte Black



Morning Sky Gray



Tan

## Patio Door Blinds

### Blinds-Between-the-Glass<sup>20</sup>

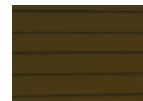
Give your homeowners more privacy by adding blinds-between-the-glass. Located between panes of glass, blinds are protected from dust, dirt and damage.



White



Slate Gray



Espresso

**NOTE:** Product specifications may change without notice.

Actual colors may vary from those shown and products may vary slightly from illustrations and photos.

Interested in learning more? For additional information, visit [pellacommercial.com](http://pellacommercial.com).

<sup>1</sup> 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.

<sup>2</sup> Tensile testing performance based on testing 7 samples of each material using ASTM D638 test methodology.

<sup>3</sup> Not available on special shapes.

<sup>4</sup> Pella® Impervia® windows and patio doors have a performance grade of LC or higher. For information on product ratings see [www.pella.com/performance](http://www.pella.com/performance).

<sup>5</sup> Based on a simulation created with THERM 7.4.3 and WINDOW 7.4.6

<sup>6</sup> Pella Impervia windows and patio doors have a performance class of LC or higher. For information on product ratings see [www.pella.com/performance](http://www.pella.com/performance).

<sup>7</sup> See written limited warranties for complete details, including exceptions and limitations, at [pella.com/warranty](http://pella.com/warranty), or contact Pella Customer Service at 877-473-5527.

<sup>8</sup> Vent casement with impact glass max width is 35-1/2".

<sup>9</sup> Optional high-altitude Low-E insulating glass available with or without argon on select products.

<sup>10</sup> 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](http://energystar.gc.ca).

<sup>11</sup> Available with Advanced Low-E insulating glass with argon with bronze, gray or green tint on select products.

<sup>12</sup> For best performance, the laminated glass may be in the interior or exterior pane of the insulating glass, depending on the product.

<sup>13</sup> Sound control glass consists of dissimilar glass thickness (3mm/5mm or 5mm/3mm).

<sup>14</sup> Available on direct set, awning and casement windows and sliding patio doors. Not available with Advanced Comfort Low-E glass.

<sup>15</sup> Available on direct set, casement and awning windows and sliding patio doors only. Not available with integrated nailing fin.

<sup>16</sup> Dual-color frames are available with a block frame or non-integrated nailing fin.

<sup>17</sup> Only available for fold-away crank.

<sup>18</sup> Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.

<sup>19</sup> Available on direct set windows only.

<sup>20</sup> Available on all two-panel and select sizes for three-panel sliding patio doors only.