

Pella® Impervia® Double-Hung Window

Detailed Product Description

Frame

- Frame is Duracast® fiberglass composite — five-layer pultruded fiberglass material [with optional foam insulation₁] reinforced with a Pella patented interlocking mat.
- Nominal wall thickness of Duracast fiberglass composite members is .050" to .080" thick.
- [Overall frame depth is 3" for [Block Frame] [Integral Nailing Fin] [Overall frame depth is 3-1/4" for Precision Fit].
- Frame corners are mitered, joined and bonded with corner locks and mechanically fastened with injected polyurethane adhesive.
- Block frame jambs contain factory drilled (counter-bored) installation screw holes.
- Frame has 10° slope sill.

Sash

- Sash is Duracast fiberglass composite—five-layer pultruded fiberglass material [with optional foam insulation₁] reinforced with a Pella patented interlocking mat.
- All sash members have mitered corners bonded with corner locks and sealed with injected polyurethane adhesive.
- Both sashes tilt to interior for cleaning.

Exterior/Interior

- Duracast fiberglass composite surfaces with powder-coat paint finish.
 - ♣ Color is [White] [Tan] [Brown] [Black] [Morning Sky Gray].
 - or –
 - ♣ Dual-color option [Tan] [Brown] [Black] [Morning Sky Gray] exterior with White interior₂.

Glazing System

- Quality float glass complying with ASTM C 1036.
- 11/16" insulating glass [[annealed] [tempered]] [obscure₃] [[clear] [Advanced] [SunDefense™] [AdvancedComfort] [NaturalSun] Low-E coated, with argon]] sealed and bonded to sash.
- High altitude glazing [with argon] available.

Weatherstripping

- Fin-type pile on jambs, top rail and stile of upper sash.
- Vinyl-wrapped foam at sill on frame and bottom rail of lower sash.

Hardware

- Galvanized block-and-tackle balances connected to sash with polyester cord and concealed within the frame.
- Upper and lower sash are fully operable for ventilation.
- All fasteners are corrosion-resistant material.
- Two locks are installed on units 37" wide or greater.
- Locks are zinc die-cast, self-aligning cam action factory-installed on the interlocker [powder-coat painted [White] [Tan] [Brown] [Black] [Morning Sky Gray] to match finish] [Satin Nickel] [Bright Brass] [Oil-Rubbed Bronze].

Optional Products

Screens

- Conventional Black Fiberglass
 - ♣ [Half-size] [Full-size] with black vinyl coated 18/16 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201.
 - ♣ Set in aluminum frame and fitted to outside of window.
 - ♣ Supplied complete with all necessary hardware.
 - ♣ Screen frame finish is baked enamel, color to match exterior.
- InView™ Screens
 - ♣ [Half-size] [Full-size] with black vinyl coated 18/18 mesh fiberglass screen cloth complying with SMA 1201.
 - ♣ Set in aluminum frame and fitted to outside of window.
 - ♣ Supplied complete with all necessary hardware.
 - ♣ Screen frame finish is baked enamel, color to match exterior.

Grilles

- Grilles-Between-the-Glass
 - ♣ Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
 - ♣ Grilles are factory prefinished [White] [Tan] [Brown] [Black] [Morning Sky Gray] to match interior and exterior finish.

Hardware

- Optional limited opening device available for vent units in [White] [Tan] [Brown] [Black] [Morning Sky Gray] foamed PVC to match interior

of unit; nominal 3-3/4" opening.

- Optional window opening control device available for field installation. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-10.
- Optional field applied Duracast sash lift available for vent units in [White] [Tan] [Brown]] [Black] [Morning Sky Gray].
 - (1) Foam insulation inserts are not available with clear glazing.
 - (2) Dual-color finish is not available on products with integral nailing fin.
 - (3) Obscure glazing is not available when AdvancedComfort Low-E coated IG is specified.