



1500 Vinyl Collection

Single Hung Impact Windows

IMPACT



Building choice into every view.



1500 Single Hung Impact Windows



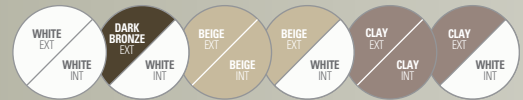
Relax. It's a 1500 Vinyl Collection Impact Window. For homeowners, it means added protection. For builders, rest assured you'll get the support you need – from a window line that meets tough coastal codes, and the company that builds them.

Protect your home

- Traditional or contemporary frame design
- Sizes to meet your needs
- Passes ASTM E1886/E1996 Large missile Impact Tests to secure your home
- Laminated glass with PVB inner layer to maintain seal in high-impact situations
- Egress Size: 3050SH, 4040SL
- Limited Lifetime Warranty

Color options

*New exterior colors are on brickmould and flat casing only.



Frame Options



Brickmould

Beveled

Flat

Window Anatomy

Multi-chamber construction with fusion-welded sash and frame

Sloped sill drains water away from home exterior

Integral J-channel for simple, secure siding installation (optional double utility trim)



Grille types

*Also available with no grilles.

GBG Grilles



3/4" Flat, 5/8" or 1" Sculptured

SDL Grilles



7/8" or 1-1/4" SDL with Shadow Bar

Thermal Performance

1500 Impact Thermal Performance Summary

Values shown are for 7/8" dual pane 3.0mm, 3.0mm / 0.090lami / 3.0mm, no grilles

Warm Edge Spacer	U-factor	SHGC
Low-E impact	0.36	0.28
Low-E ^{SC} impact	0.35	0.22
HP impact	0.32	0.28
HP ^{SC} impact	0.31	0.21
Low-E2+ impact	0.31	0.27
Low-E2+ ^{SC} impact	0.31	0.21
HP2+ impact	0.28	0.27
HP2+ ^{SC} impact	0.28	0.21
Warm Edge Spacer (metal)	U Factor	SHGC
Low-E impact	0.35	0.28
Low-E ^{SC} impact	0.35	0.22
HP impact	0.31	0.28
HP ^{SC} impact	0.31	0.21
Low-E2+ ^{SC} impact	0.30	0.21
HP2+ ^{SC} impact	0.27	0.21



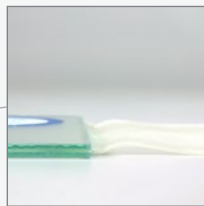
easyinstall

for a quick, correct fit

- Alignment clips
- Integral mull
- Double utility trim
- Integral J-channel or flange
- Drywall receiver and return
- Accessory grooves
- Protective construction film



Window Highlights



Laminated Glass

Our impact glass uses technology similar to a car windshield with the glass bonded using heat and pressure to a PVB inner layer.



Jamb Alignment Clips

Aligns and holds frame in place during installation; enables one person to center smaller windows.



Interlocking Sashes

Sashes lock tightly together to help keep out intruders and inclement weather.



Forced-Entry Resistant Locks

Enhanced security locks meet tough AAMA forced entry requirements. Auto-lock* option available.



Exterior

Interior



Auto Lock*

FRAME

3-1/2" dual-wall brickmould frame depth
 2-7/8" beveled frame depth
 1-3/8" integral nail fin set back
 Optional 1/2" flush flange for block installs
 Optional 3-1/2" flat casing
 Optional double utility trim simplifies siding installation
 Custom, traditional and block sizing to meet your needs
 Integral J-pocket simplifies siding installations
 Interior/exterior accessory grooves
 Sloped sill for water management
 Screen clip Patent #: 61738783
 Mixed operating and fixed integral mulls Patent #: 61820933

SASH

Interior glazed top glass
 Exterior glazed bottom glass
 Interlocking sash with dual pile weatherstripping
 Constant force coil balances
 Dual lift rails for easy operation
 Half screens (shipped separately)

GLASS

Double: Low-E, Low-E^{SC}, Low-E2+, Low-E2+^{SC}, HP, HP^{SC}, HP2+, HP2+^{SC}
 Optional Warm Edge+ spacers
 Configurable STC values up to 31
 Obscure and rain options
 EZ Clean option

GRILLES

GBG (Grilles Between Glass) 3/4" Flat, 5/8" or 1" Sculptured
 SDL (Simulated Divided Light) 7/8" or 1 1/4" with Shadow Bar
 Colonial, Plaza, Prairie, Diamond, Gothic patterns available

LOCKS

Standard forced-entry resistant cam lock
 Self-latching forced-entry resistant auto-lock option

PERFORMANCE CERTIFICATIONS



FLORIDA APPROVED FL16103
 For a list of Ply Gem's Florida approved products visit floridabuilding.org.
 Single hung FL16103
 Sliding FL16102
 Fixed FL16104



CANADIAN STANDARDS ASSOCIATION CERTIFIED



1500 Impact Single Hung NAFS/AAMA Industry Product Performance Testing Chart

Product Type	Impact Test Unit Size (inches)	Overall Rating	Air Infiltration (scfm/ft)	Air Exfiltration (scfm/ft)	Water Pressure (psf)	Structural Pressure (psf)	Test Standard(s)	Florida Approval	TDI Approval
Single Hung	38 x 77.125	H-LC50	0.11	0.05	7.52	+50/-60	AAMA 506-06, 08	FL16103	WIN-1771
	52.125 x 62	H-LC50	0.28	0.19	7.52	+50/-60	AAMA 506-06, 08	FL16103	
	52.125 x 71	H-LC50	0.28	0.19	7.52	+50/-50	AAMA 506-06, 08	FL16103	
Horizontal Slider (X0)	63 x 48	HS-LC50	0.08	0.07	7.52	+60/-60	AAMA 506-06, 08	FL16102	
Fixed Window	60 x 72	FW-LC50	0.00	0.00	12.11	+50/-60	AAMA 506-06, 08	FL16104	WIN-1768

Impact units require specified glazing material, impact laminated glass, hardware and reinforcements.



For more information, call 888-9PLYGEM.

