

NEW CONSTRUCTION EAST

# 1500Vinyl Collection

Single Hung Impact Windows

IMPACT



Building choice into every view.

 **Ply Gem**<sup>®</sup>  
WINDOWS & DOORS

# 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.

## 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)



## 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

## Color Options

Solid Vinyl Colors



Co-extruded Colors



## Grille Types

Also available with no grilles.

### GBG Grilles



3/4" Flat or  
5/8" 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	0.35	0.27
Low-E <sup>SC</sup> impact	0.35	0.22
HP impact	0.31	0.27
HP <sup>SC</sup> impact	0.31	0.22
Low-E2+ impact	0.30	0.26
Low-E2+ <sup>SC</sup> impact	0.31	0.21
HP2+ impact	0.28	0.26
HP2+ <sup>SC</sup> impact	0.28	0.21
Warm Edge + Spacer (metal)	U-factor	SHGC
Low-E impact	0.34	0.27
Low-E <sup>SC</sup> impact	0.35	0.22
HP impact	0.30	0.27
HP <sup>SC</sup> impact	0.30	0.22
Low-E2+ impact	0.30	0.21
HP2+ <sup>SC</sup> impact	0.27	0.21





# easyinstall

for a quick, correct fit

- Alignment clips
- Integral mull
- Double utility trim
- Integral J-channel
- ½" flange for block installs
- Drywall receiver and return
- Accessory grooves
- Protective construction film

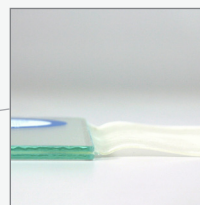
## Window Highlights



Interior



Exterior



### 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 Sash

Sash locks 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.



Auto-Lock\*

# WindowSpecs

## 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 #: 9038333

## 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<sup>SC</sup>, Low-E2+, Low-E2+<sup>SC</sup>, HP, HP<sup>SC</sup>, HP2+, HP2+<sup>SC</sup>  
Optional Warm Edge+ spacers  
Configurable STC values up to 31  
Obscure and rain options

## GRILLES

GBG (Grilles Between Glass) 3/4" Flat or 5/8" 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](http://floridabuilding.org).



CANADIAN STANDARDS  
ASSOCIATION CERTIFIED

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1500 Impact 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	WIN-1771
	52.125 x 71	H-LC50	0.28	0.19	7.52	+50/-50	AAMA 506-06, 08	FL16103	WIN-1771
Horizontal Slider (XO)	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
	48 x 80	FW-LC50	0.00	0.00	12.11	+55/-55	AAMA 506-06, 08	FL16104	WIN-1768

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



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