



1500Vinyl 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.

Frame Options



Brickmould



Beveled



Flat

Window Anatomy

Multi-chamber construction with fusion-welded sash and frame

Sloped sill drains water away from home exterior

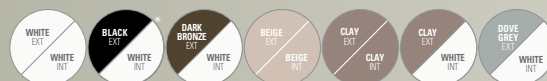
Integral J-channel for simple, secure siding installation (optional double utility trim)



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 *Some restrictions may apply.



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
- 1/2" flange for block installs
- Drywall receiver and return
- Accessory grooves
- Protective construction film

Window Highlights



Interior



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*



Exterior

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^{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

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.

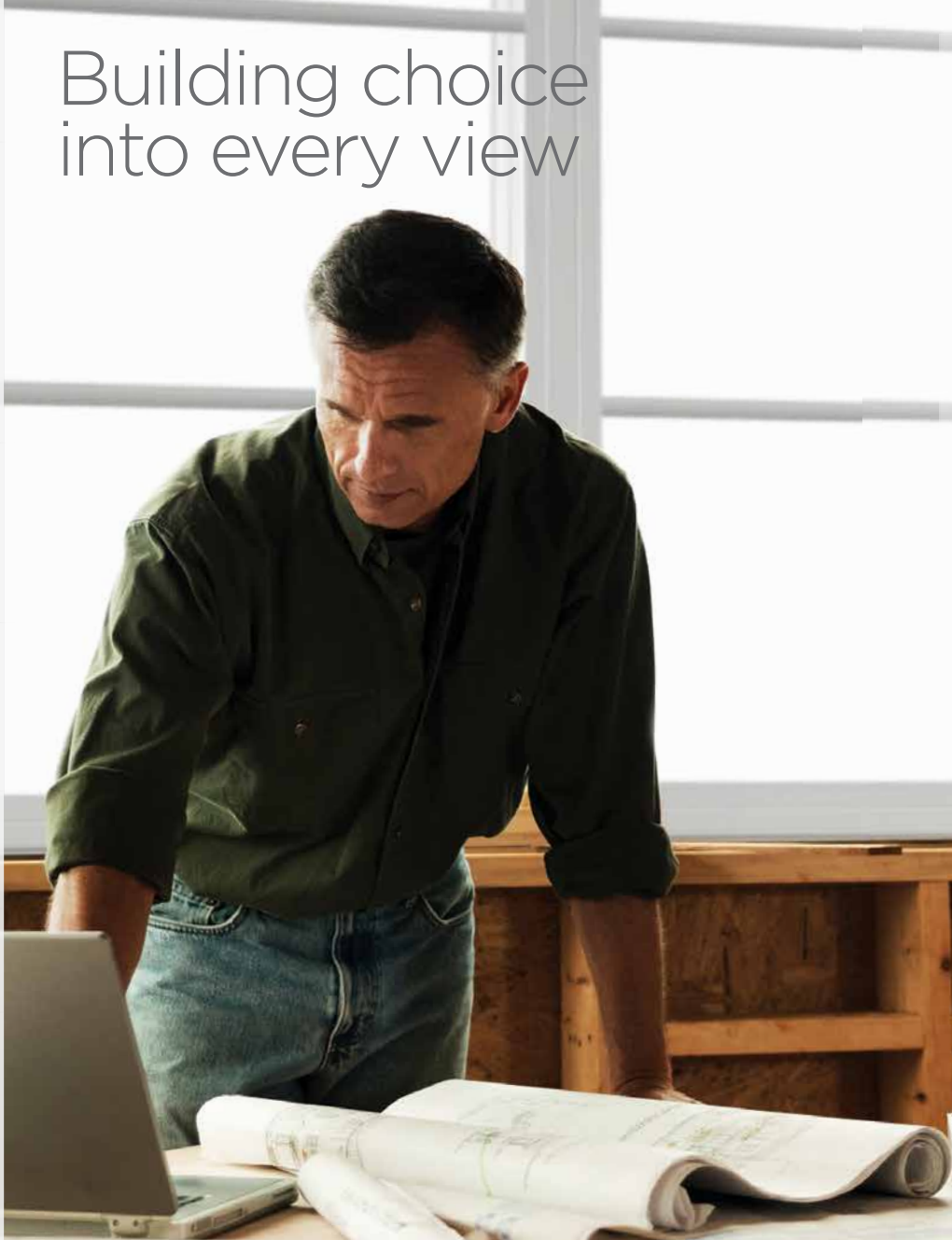
Single hung FL16103

Sliding FL16102

Fixed FL16104



CANADIAN STANDARDS ASSOCIATION CERTIFIED



1500 Impact 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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