



Casement Window Series 238N

CGI's Sentinel impact resistant casement windows have very clean lines and incredible eye appeal with the advantage of quality aluminum construction.

CGI's impact resistant 238 series of casements, and project-out windows have matching sight lines which allows them to be used interchangeably throughout your home.

Performance Results

Maximum Water Resistance	16.5 PSF	
Large Missile	20 x 36 window (Ann/ Ann)	+ 110 PSF/ – 194.3 PSF
	37 x 63 window (Ann/ Ann)	+60 PSF/ -60 PSF
Forced Entry Test (AAMA 1302.5)	Passed	

Energy Values (NFRC Approved)

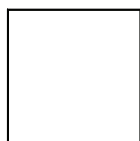
Laminated	U Factor	SHGC	VT
5/16" Gray	1.03	0.44	0.40
5/16" Clear	1.03	0.53	0.59
Insulated Laminated			
3/4" Clear LoE 366	0.63	0.21	0.42
3/4" Clear LoE 270	0.63	0.27	0.46

Sizing

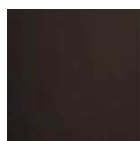
	Width		Height
Minimum Available	18"	Minimum Available	17"
Maximum Available	42"	Maximum Available	84"

Maximum over-all window area is 16.34 sq. ft.

Available Finishes

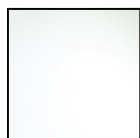


White

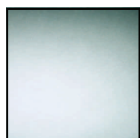


Bronze

Glass Colors



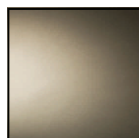
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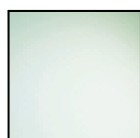
Grey



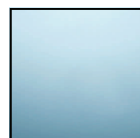
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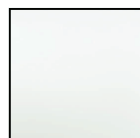
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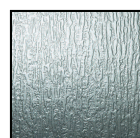
Solexia



Azuria



Obscure



Rain



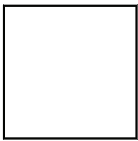
Designer Fixed Window Series 130

The Sentinel Designer Fixed impact window are available in shapes up to 33 square feet and offers a narrow frame design allowing you to maximize your available glass area. The fastener covers finish off this product choice nicely making this a very clean looking window for any room in your home

Performance Results

Maximum Water Resistance	12 PSF
Large Missile	49 x 97 window (Ann/ HS) + 60 PSF/ – 60 PSF
	49 x 97 window (HS/HS) +80 PSF/ -80 PSF

Available Finishes



White



Bronze

Energy Values (NFRC Approved)

Laminated	U Factor	SHGC	VT
7/16" Clear LoE 366	1	0.33	0.51
7/16" Gray	0.96	0.49	0.42
7/16" Clear	0.96	0.63	0.74
Insulated Laminated			
1" Clear LoE 366	0.42	0.25	0.53
1" Clear LoE 270	0.42	0.32	0.57

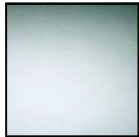
Sizing

Please Ask your CGI Installer for details on Designer Fixed Series 238 Window Sizes.

Glass Colors



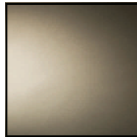
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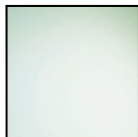
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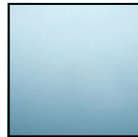
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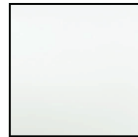
Bronze



Solexia



Azuria



Obscure



Rain



Fixed Window Series 130

Sentinel Rectangular Fixed impact window is available in sizes up to 33 square feet and offers a narrow frame design allowing you to maximize your available glass area. The fastener covers finish off this product choice nicely making this a very clean looking window for any room in your home.

Performance Results

Maximum Water Resistance	12 PSF
Large Missile	49 x 97 window (Ann/ HS) + 60 PSF/ – 60 PSF
	49 x 97 window (HS/HS) +80 PSF/ -80 PSF

Energy Values (NFRC Approved)

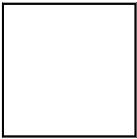
Laminated	U Factor	SHGC	VT
7/16" Clear LoE 366	1	0.33	0.51
7/16" Gray	0.96	0.49	0.42
7/16" Clear	0.96	0.63	0.74
Insulated Laminated			
1" Clear LoE 366 0	.42	0.25	0.53
1" Clear LoE 270	0.42	0.32	0.57

Sizing

	Width		Height
Minimum Available	10.5"	Minimum Available	17.5"
Maximum Available	61"	Maximum Available	121"

Maximum over-all window area is 32 sq. ft.

Available Finishes



White



Bronze

Glass Colors



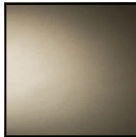
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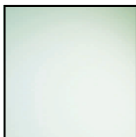
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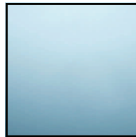
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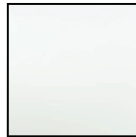
Bronze



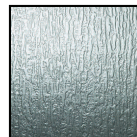
Solexia



Azuria



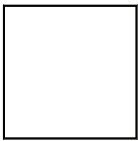
Obscure



Rain



Available Finishes



White



Bronze

French (Swing) Series 160 Doors

Sentinel French door is a valued priced offering from CGI with the same standards of high quality and precision many have come to know and expect from CGI. Our doors include our patented concealed three point lock system, which unlike others in the marketplace is designed to activate all three locking points with one single turn, inside and out.

Performance Results

Maximum Water Resistance	12 PSF
Large Missile 3' x 8' Panel (Ann/ Ann)	+80 PSF/ -80 PSF
Forced Entry Test (AAMA 1302.5)	Passed

Energy Values (NFRC Approved)

	Single Door/ Pair			Self-Mating/ Free-Standing Sidelite		
	U Factor	SHGC	VT	U Factor	SHGC	VT
Laminated						
7/16" Clear LoE 366	1.03	0.24	0.32	1.04	0.28	0.41
7/16" Gray	1.03	0.43	0.47	1.03	0.52	0.59
7/16" Clear	1.03	0.34	0.26	1.03	0.41	0.33
Insulated Laminated						
1" Clear LoE 366	0.69	0.19	0.33	0.59	0.22	0.42
1" Clear LoE 270	0.69	0.23	0.36	0.59	0.27	0.45

Single and Pair of Door Sizes

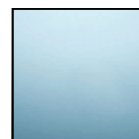
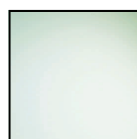
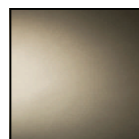
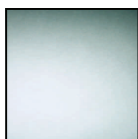
	6'8" Units	8' Units
Single Door		
2668	31 1/4 x 80	2680 31 1/4 x 96
2868	33 1/4 x 80	2880 33 1/4 x 96
3068	37 1/4 x 80	3080 37 1/4 x 96
Double Door		
4068	48 x 80	4080 48 x 96
5068	60 x 80	5080 60 x 96
5468	64 x 80	5480 64 x 96
6068	72 x 80	6080 72 x 96

Free-Standing or Self-Mating Sidelites

12 x 80	12 x 96
18 x 80	18 x 96
24 x 80	24 x 96
30 x 80	30 x 96
33 x 80	33 x 96
36 x 80	36 x 96
37 1/8 x 80	37 1/8 x 96*

*Free-Standing Only

Glass Colors





Horizontal Roller Window Series 120

Sentinel Horizontal Rolling impact window is a value-priced offering that has been designed with many features including a nylon roller with stainless steel ball bearings that glides on a nylon track, multiple points of weatherstripping and stainless steel fasteners. It is available in two and three panel configurations.

Performance Results

Maximum Water Resistance	12 PSF
Large Missile	49 x 97 window (Ann/ HS) + 60 PSF/ – 60 PSF
	49 x 97 window (HS/HS) +80 PSF/ -80 PSF

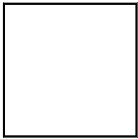
Commodity Sizes XO or OX

Width	Height	Width	Height	Width	Height	Width	Height
26 1/2	26	37	26	53 1/8	26	74	26
26 1/2	38 3/8	37	38 3/8	53 1/8	38 3/8	74	38 3/8 e
26 1/2	50 5/8	37	50 5/8	53 1/8	50 5/8 e	74	50 5/8 e
26 1/2	63	37	63	53 1/8	63 e	74	63 e

Energy Values (NFRC Approved)

Laminated	U Factor	SHGC	VT
7/16" Clear LoE 366	1	0.33	0.51
7/16" Gray	0.96	0.49	0.42
7/16" Clear	0.96	0.63	0.74
Insulated Laminated			
1" Clear LoE 366 0	.42	0.25	0.53

Available Finishes



White



Bronze

Glass Colors



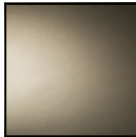
Clear



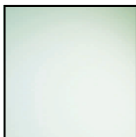
Grey



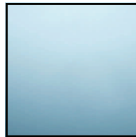
Dark Grey



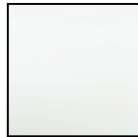
Bronze



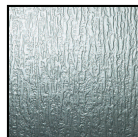
Solexia



Azuria



Obscure



Rain