

RESIDENTIAL PRODUCTS



for Your Next Project



PITTSBURGH CORNING"

100% Real Glass Block From Pittsburgh Corning

The Wise Choice. Now More Than Ever.

LightWise® Windows are a wise choice when you want the beauty and durability of real glass block with less installation hassle. Every LightWise® Window starts with Real Pittsburgh Corning Glass Block, which resists scratching and will not burn or discolor like plastic block. LightWise® Windows come in two frame options, vinyl or aluminum clad wood frame. LightWise® Windows offer a unique combination of features you won't find in any other glass or plastic block window.

LightWise® Windows are easy to install: just place in the opening and fasten along the built-in nailing fins. LightWise® Windows 10 year warranty details available upon request.



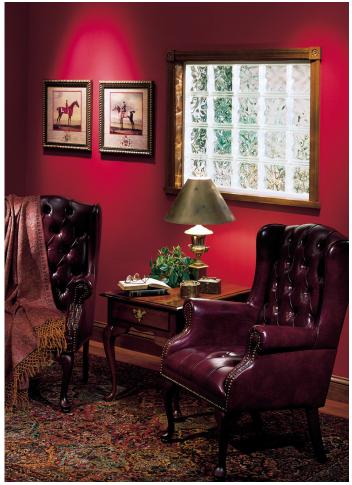


Beauty Wise

Few windows can beautify a room like LightWise® Windows.

That's because nothing can compare to the timeless beauty of Pittsburgh Corning Glass Block. No other material captures light like glass, and no other building product captures the beauty of glass quite like Pittsburgh Corning Glass Block. LightWise® Windows from Pittsburgh Corning brighten any room with beautiful, soft, natural light.





Design Wise

LightWise® Windows are ideal for bathroom applications or as an accent for any room to let light in!

You can control privacy and aesthetic appeal by varying pattern selection. So you can eliminate the need for window treatments and let the natural beauty of crystalline glass shine through. And that makes LightWise® Windows one of the most beautiful windows you can choose.



Comfort Wise

Get the comfort of an insulating window and a name you know and trust.

With LightWise® Windows, you get the comfort of an insulating window and a name you know and trust. LightWise® Windows are energy efficient and offer an insulating value comparable to a double-pane window, and they provide excellent sound insulation, too. You can be comfortable in a room with LightWise® Windows because, by selecting varying block patterns, you can control visibility without additional window treatments — allowing the beauty of light to shine through. It all adds up to make LightWise® Windows a choice you can be comfortable with.





Security Wise

Since LightWise® Windows are constructed of thick, durable Glass Block, they're incredibly impact resistant.

LightWise® Windows have the security of over 70 years of Pittsburgh Corning Glass Block testing and innovation built-in. So, you have the freedom to allow natural light into a room while enhancing the security of the home. You can keep out unwanted views, energy-wasting drafts and uninvited guests. From door sidelights to bathroom windows, there's no wiser choice for security than LightWise® Windows from Pittsburgh Corning.



LightWise® Vinyl Frame Windows by Pittsburgh Corning



Double bead of pressur applied silicone sealant for weather resistance Made with real Pittsburgh Corning Glass Block Sealed on exterior and interior Custom vinyl frame with welded structural integrity

Vinyl Frame Window Features and Benefits Include:

- DECORA® or IceScapes® Pattern glass block
- Vinyl frame available in white or sandstone color
- Premium structural silicone sealant for positive water and wind barrier.
- Built-in nailing fins
- Available in 78 sizes
- Okay for shower usage

VINYL FRAME WINDOWS **SIZING CHART**

*Nominal Width or Height	**Rough Opening Required
8"	9 13/16"
16"	17 ⁵ /8"
24"	25 3/8"
32"	33 3/16"
40"	40 15/16"
48"	48 3/4"
56"	56 ⁹ / ₁₆ "
64"	64 5/16"
72"	72 ¹ / ₈ "
80"	79 ⁷ /8"

*Based on 8" x 8" nominal sized glass block. **Rough Opening = Actual Size + 1/2"

STC = 31

Pre-drilled nailing fin for easy installa



Light Transmission:

Sound Transmission:

Glass Block Patterns





DFCORA® Pattern

IceScapes® pattern

Energy Efficient – Vinyl Frame Window Features and Benefits Include: • Meets ENERGY STAR requirements.

- Blocks out the sun's heat and ultraviolet light to keep initeriors cooler in the summer.
- In the winter, improved insulating ability helps keep interiors warmer.
- Same great features as regular Vinyl frame windows and available in white or sandstone color in 78 sizes.

Energy Efficient – Vinyl Frame Window using DECORA® pattern glass block with a white frame.



Low E Glass Block Patterns





ENERGY EFFICIENT

WINDOWS SIZING CHART

*Nominal Width or Height	**Rough Opening Required
8"	10"
16"	17 ⁷ /8"
24"	25 3/4"
32"	33 3/4"
40"	41 5/8"
48"	49 1/2"
56"	57 ³ / ₈ "
64"	65 1/4"
72"	73 1/4"
80"	81 ¹ / ₈ "

*Based on 8" x 8" nominal sized glass block. **Rough Opening = Actual Size + 3/4"

PHYSICAL PROPERTIES AND PERFORMANCE DATA Installed Weight: 12.00 lbs./sq. ft. DECORA® = 75% | IceScapes® = 67%

NFRC - 100-10 (THERMAL PERFORMANCE)		
R-Value	U-Value	Grade
2.13 (HR•FT ² •°F/BTU)	0.47 (BTU/HR•FT ² •°F)	Light Commercial

NFRC - 200-10 (SOLAR HEAT GAIN COEFFICIENT)

SHGC = 0.67

NFRC - 500-10 (CONDENSATION RESISTANCE)

DADE COUNTY TESTS (PROTOCOL PA 202-94)

Panel Size	Air Test	Water Test (PSF) @	Air	Design	Structural Load (PSF)
(in.)	(PSF)	15% Design Load	Infiltration	Load (PSF)	@ 1.5 Design Load
40 x 80	6.24	13.5	< 0.03 cfm/ft ²	90.0	135.0
56 x 64	6.24	13.5	< 0.01 cfm/ft ²	90.0	135.0

SAFETY GLAZING TESTS

ANSI Z 97.1	Passed 12", 18" and 48" drops
CPSC-16-CFR 1201	Passed 48" drop

AAMA/WDMA/CSA 101/I.S. 2/A440-08 & 05

AAMA Designation	Optional Water Test	Air Test
FW - R 90 (40 x 80)	15.0 PSF	75 Pa (1.6 PSF)
FW – R 90 (56 x 64)	15.0 PSF	75 Pa (1.6 PSF)

PHYSICAL PROPERTIES AND PERFORMANCE DATA

Installed Weight:	16.25 lbs./sq. ft.
Light Transmission:	Energy Efficient DECORA® = 63%
	Energy Efficient IceScapes® = 50%
Sound Transmission:	STC = 41

NFRC - 100-10 (THERMAL PERFORMANCE) R-Value **U-Value** Grade 3.33 (HR•FT²•°F/BTU) 0.30 (BTU/HR•FT²•°F) Light Commercial

NFRC - 200-10 (SOLAR HEAT GAIN COEFFICIENT)

SHGC = 0.25

NFRC - 500-10 (CONDENSATION RESISTANCE)

CR = 66

DADE COUNTY TESTS (PROTOCOL PA 202-94)

Panel Size	Air Test	Water Test (PSF) @	Air	Design	Structural Load (PSF)
(in.)	(PSF)	15% Design Load	Infiltration	Load (PSF)	@ 1.5 Design Load
40 x 80	6.24	13.5	< 0.01 cfm/ft ²	90.0	135.0
56 x 64	6.24	13.5	< 0.01 cfm/ft ²	60.0	90.0

SAFETY GLAZING TESTS

Passed 48" drop CPSC-16-CFR 1201

AAMA/ WDIMA/C3A 101/1.3. 2/A440-06 & 03		
AAMA Designation	Optional Water Test	Air Test
FW - R 90 (40 x 80)	15.0 PSF	75 Pa (1.6 PSF)
FW - R 60 (56 x 64)	15.0 PSF	75 Pa (1.6 PSF)

LightWise® Aluminum Clad Wood Frame Windows by Pittsburgh Corning

LightWise® Aluminum Clad Wood Window **Features and Benefits Include:**

- DECORA® or IceScapes® pattern
- A natural pine interior frame for an aesthetically pleasing easily stained or painted surface.
- A variety of exterior colors are available to match your home's exterior. Additional colors can be specially ordered, as well.
- Setback nailing fins for use with stucco and other standard finishes that can be removed for renovation installations.
- Flat face design for easier cleaning
- Available in 60 sizes

Glass Block Patterns







IceScapes® pattern



ALUMINUN	/ CLAD	WOOD
WINDOWS	SIZING	CHART

*Nominal Width or Height *Rough Opening Required 16" 18 ½" 24" 26 ¼" 32" 34" 40" 41 11¼" 48" 49 ¾" 56" 57 ¾" 64" 64 15¼" 72" 72 11½" 80" 80 ½"			
24" 26 \(\frac{1}{4}\) \(\frac{1}\) \(\frac{1}{4}\) \(\frac{1}{4}\) \(\frac{1}{4}\) \(
32" 34" 40" 41 \(^{11}/16\)" 48" 49 \(^{3}/6\)" 56" 57 \(^{3}/6\)" 64" 64 \(^{15}/16\)" 72" 72 \(^{11}/16\)"	16"	18 ¹/₂"	
40" 41 11/16" 48" 49 3/8" 56" 57 3/8" 64" 64 15/16" 72" 72 11/16"	24"	26 1/4"	
48" 49 3/8" 56" 57 3/8" 64" 64 15/16" 72" 72 11/16"	32"	34"	
56" 57 3/8" 64" 64 15/16" 72" 72 11/16"	40"	41 11/16"	
64" 64 ¹⁵ / ₁₆ " 72" 72 ¹¹ / ₁₆ "	48"	49 ³ / ₈ "	
72" 72 11/16"	56"	57 ³ / ₈ "	
	64"	64 15/16"	
80" 80 1/2"	72"	72 11/16"	
	80"	80 1/2"	

*Based on 8" x 8" nominal sized glass block. **Rough Opening = Actual Size + 3/4".

Optional Window Accessory



2" Wood Extension Jamb. For Aluminum Clad Wood Frame Windows only

take precedence over the statements contained herein.

Aluminum Clad Wood Frame Colors



Actual frame colors may vary from colors shown here.

The information contained herein is accurate and reliable to the best of our knowledge. But, because Pittsburgh The information contained herein is accurate and reliable to the best of our knowledge. But, because Pittsburgh Corning Corporation has no control over installation workmanship, accessory materials or conditions of application, NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE as to the performance of an installation containing Pittsburgh Corning products. In no event shall Pittsburgh Corning be liable for any damages arising because of product failure, whether incidental, special, consequential or punitive, regardless of the theory of liability upon which any such damages are claimed. Pittsburgh Corning Corporation provides written warranties for many of its products, and such warranties

PHYSICAL PROPERTIES AND PERFORMANCE DATA Installed Weight: 16.1 lbs./sq. ft. DECORA® = 75% | IceScapes® = 67% Light Transmission: Sound Transmission: STC = 31

NFRC - 100-10 (THERMAL PERFORMANCE)		
R-Value	U-Value	Grade
2.00 (HR•FT²•°F/BTU)	0.50 (BTU/HR•FT²•°F)	Light Commercial

NFRC - 200-10 (SOLAR HEAT GAIN COEFFICIENT)

SHGC = 0.67

NFRC - 500-10 (CONDENSATION RESISTANCE)

DADE COUNTY TESTS (PROTOCOL PA 202-94)							
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FW - R 60 (40 x 80)	9.0 PSF	75 Pa (1.6 PSF)				
FW - R 60 (56 x 64)	9.0 PSF	75 Pa (1.6 PSF)				



PITTSBURGH CORNING**

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