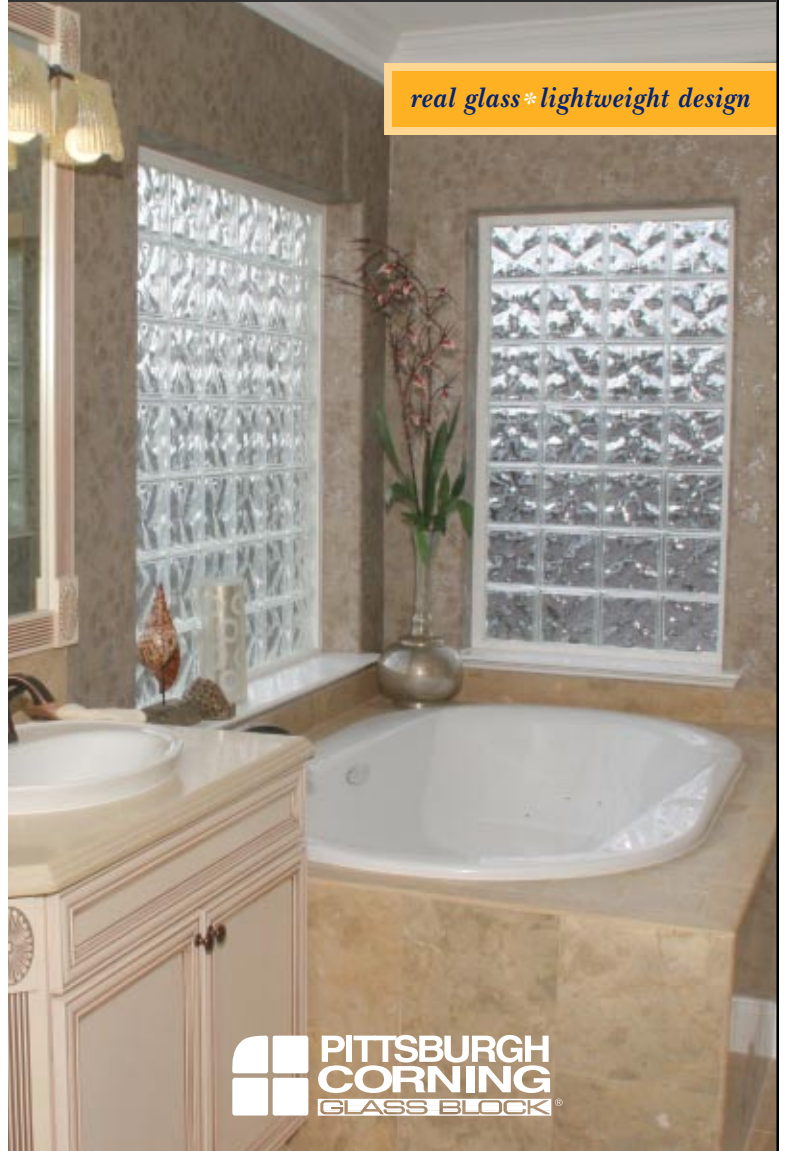


 **LightWise**[®]
WINDOWS BY **PITTSBURGH CORNING**

residential products

*real glass*lightweight design*



**THE WISE CHOICE
FOR YOUR NEXT PROJECT**

Quality made in the U.S.A.



 **PITTSBURGH
CORNING**
GLASS BLOCK[®]

800 Presque Isle Drive
Pittsburgh, PA 15239-2799
Tel: 1-800-624-2120
(Glass Block Resource Center)
www.pittsburghcorning.com

Made in
 **AMERICA**

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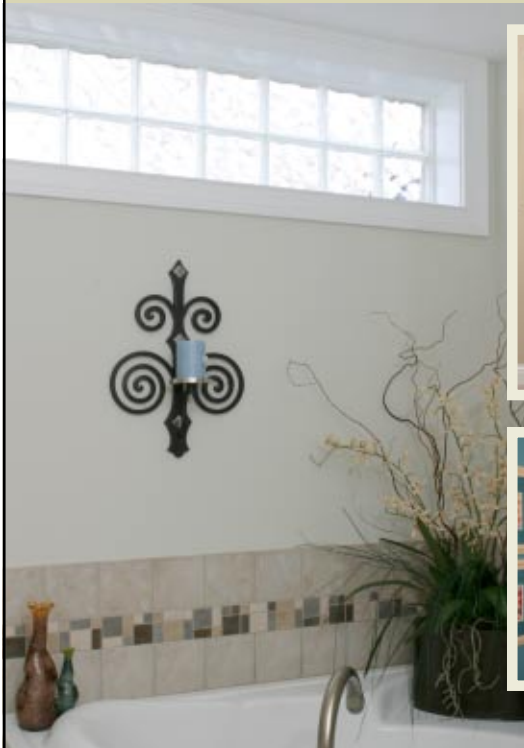
100% REAL GLASS BLOCK FROM PITTSBURGH CORNING



**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. And now LightWise® Windows are even lighter thanks to our new 2" thick glass block.

This new, lighter weight design means LightWise® Windows are even easier 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. And, you can choose from two different block patterns to make sure LightWise® Windows deliver the aesthetic difference you're looking for.

TWO GLASS BLOCK STYLES TO CHOOSE FROM



DECORA® Pattern

- maximum light transmission
- moderate privacy



IceScapes® Pattern

- maximum light transmission
- medium to maximum privacy

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.



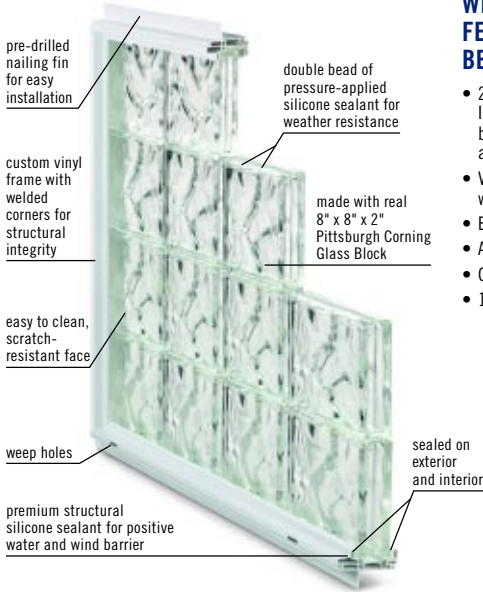
SECURITY WISE

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



LightWise® Windows have the security of over 60 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



VINYL FRAME WINDOW FEATURES AND BENEFITS INCLUDE:

- 2-inch thick, DECORA® or IceScapes® Pattern, glass block for lighter weight and easier handling.
- Vinyl frame available in white or sandstone color.
- Built-in nailing fins
- Available in 78 sizes
- Okay for shower usage
- 10 Year Warranty

VINYL FRAME WINDOWS SIZING CHART

| *Nominal Glass Block Panel Size | Required Rough Opening Size (width x height) | *Nominal Glass Block Panel Size | Required Rough Opening Size (width x height) | *Nominal Glass Block Panel Size | Required Rough Opening Size (width x height) |
|---------------------------------|--|---------------------------------|---|---------------------------------|--|
| 8" x 16" | 9 ¹³ / ₁₆ " x 17 ⁵ / ₈ " | 24" x 64" | 25 ³ / ₈ " x 64 ³ / ₁₆ " | 48" x 40" | 48 ³ / ₄ " x 40 ¹⁵ / ₁₆ " |
| 8" x 24" | 9 ¹³ / ₁₆ " x 25 ³ / ₈ " | 24" x 72" | 25 ³ / ₈ " x 72 ¹ / ₈ " | 48" x 48" | 48 ³ / ₄ " x 48 ³ / ₄ " |
| 8" x 32" | 9 ¹³ / ₁₆ " x 33 ¹ / ₁₆ " | 24" x 80" | 25 ³ / ₈ " x 79 ¹ / ₈ " | 48" x 56" | 48 ³ / ₄ " x 56 ⁹ / ₁₆ " |
| 8" x 40" | 9 ¹³ / ₁₆ " x 40 ¹⁵ / ₁₆ " | 32" x 8" | 33 ¹ / ₁₆ " x 9 ¹³ / ₁₆ " | 48" x 64" | 48 ³ / ₄ " x 64 ⁵ / ₁₆ " |
| 8" x 48" | 9 ¹³ / ₁₆ " x 48 ³ / ₄ " | 32" x 16" | 33 ¹ / ₁₆ " x 17 ⁵ / ₈ " | 56" x 8" | 56 ⁹ / ₁₆ " x 9 ¹³ / ₁₆ " |
| 8" x 56" | 9 ¹³ / ₁₆ " x 56 ⁹ / ₁₆ " | 32" x 24" | 33 ¹ / ₁₆ " x 25 ³ / ₈ " | 56" x 16" | 56 ⁹ / ₁₆ " x 17 ⁵ / ₈ " |
| 8" x 64" | 9 ¹³ / ₁₆ " x 64 ³ / ₁₆ " | 32" x 32" | 33 ¹ / ₁₆ " x 33 ¹ / ₁₆ " | 56" x 24" | 56 ⁹ / ₁₆ " x 25 ³ / ₈ " |
| 8" x 72" | 9 ¹³ / ₁₆ " x 72 ¹ / ₈ " | 32" x 40" | 33 ¹ / ₁₆ " x 40 ¹⁵ / ₁₆ " | 56" x 32" | 56 ⁹ / ₁₆ " x 33 ¹ / ₁₆ " |
| 8" x 80" | 9 ¹³ / ₁₆ " x 79 ¹ / ₈ " | 32" x 48" | 33 ¹ / ₁₆ " x 48 ³ / ₄ " | 56" x 40" | 56 ⁹ / ₁₆ " x 40 ¹⁵ / ₁₆ " |
| 16" x 8" | 17 ⁵ / ₈ " x 9 ¹³ / ₁₆ " | 32" x 56" | 33 ¹ / ₁₆ " x 56 ⁹ / ₁₆ " | 56" x 48" | 56 ⁹ / ₁₆ " x 48 ³ / ₄ " |
| 16" x 16" | 17 ⁵ / ₈ " x 17 ⁵ / ₈ " | 32" x 64" | 33 ¹ / ₁₆ " x 64 ³ / ₁₆ " | 56" x 56" | 56 ⁹ / ₁₆ " x 56 ⁹ / ₁₆ " |
| 16" x 24" | 17 ⁵ / ₈ " x 25 ³ / ₈ " | 32" x 72" | 33 ¹ / ₁₆ " x 72 ¹ / ₈ " | 64" x 8" | 64 ³ / ₁₆ " x 9 ¹³ / ₁₆ " |
| 16" x 32" | 17 ⁵ / ₈ " x 33 ¹ / ₁₆ " | 32" x 80" | 33 ¹ / ₁₆ " x 79 ¹ / ₈ " | 64" x 16" | 64 ³ / ₁₆ " x 17 ⁵ / ₈ " |
| 16" x 40" | 17 ⁵ / ₈ " x 40 ¹⁵ / ₁₆ " | 40" x 8" | 40 ¹⁵ / ₁₆ " x 9 ¹³ / ₁₆ " | 64" x 24" | 64 ³ / ₁₆ " x 25 ³ / ₈ " |
| 16" x 48" | 17 ⁵ / ₈ " x 48 ³ / ₄ " | 40" x 16" | 40 ¹⁵ / ₁₆ " x 17 ⁵ / ₈ " | 64" x 32" | 64 ³ / ₁₆ " x 33 ¹ / ₁₆ " |
| 16" x 56" | 17 ⁵ / ₈ " x 56 ⁹ / ₁₆ " | 40" x 24" | 40 ¹⁵ / ₁₆ " x 25 ³ / ₈ " | 64" x 40" | 64 ³ / ₁₆ " x 40 ¹⁵ / ₁₆ " |
| 16" x 64" | 17 ⁵ / ₈ " x 64 ³ / ₁₆ " | 40" x 32" | 40 ¹⁵ / ₁₆ " x 33 ¹ / ₁₆ " | 64" x 48" | 64 ³ / ₁₆ " x 48 ³ / ₄ " |
| 16" x 72" | 17 ⁵ / ₈ " x 72 ¹ / ₈ " | 40" x 40" | 40 ¹⁵ / ₁₆ " x 40 ¹⁵ / ₁₆ " | 72" x 8" | 72 ¹ / ₈ " x 9 ¹³ / ₁₆ " |
| 16" x 80" | 17 ⁵ / ₈ " x 79 ¹ / ₈ " | 40" x 48" | 40 ¹⁵ / ₁₆ " x 48 ³ / ₄ " | 72" x 16" | 72 ¹ / ₈ " x 17 ⁵ / ₈ " |
| 24" x 8" | 25 ³ / ₈ " x 9 ¹³ / ₁₆ " | 40" x 56" | 40 ¹⁵ / ₁₆ " x 56 ⁹ / ₁₆ " | 72" x 24" | 72 ¹ / ₈ " x 25 ³ / ₈ " |
| 24" x 16" | 25 ³ / ₈ " x 17 ⁵ / ₈ " | 40" x 64" | 40 ¹⁵ / ₁₆ " x 64 ³ / ₁₆ " | 72" x 32" | 72 ¹ / ₈ " x 33 ¹ / ₁₆ " |
| 24" x 24" | 25 ³ / ₈ " x 25 ³ / ₈ " | 40" x 72" | 40 ¹⁵ / ₁₆ " x 72 ¹ / ₈ " | 72" x 40" | 72 ¹ / ₈ " x 40 ¹⁵ / ₁₆ " |
| 24" x 32" | 25 ³ / ₈ " x 33 ¹ / ₁₆ " | 48" x 8" | 48 ³ / ₄ " x 9 ¹³ / ₁₆ " | 80" x 8" | 79 ¹ / ₈ " x 9 ¹³ / ₁₆ " |
| 24" x 40" | 25 ³ / ₈ " x 40 ¹⁵ / ₁₆ " | 48" x 16" | 48 ³ / ₄ " x 17 ⁵ / ₈ " | 80" x 16" | 79 ¹ / ₈ " x 17 ⁵ / ₈ " |
| 24" x 48" | 25 ³ / ₈ " x 48 ³ / ₄ " | 48" x 24" | 48 ³ / ₄ " x 25 ³ / ₈ " | 80" x 24" | 79 ¹ / ₈ " x 25 ³ / ₈ " |
| 24" x 56" | 25 ³ / ₈ " x 56 ⁹ / ₁₆ " | 48" x 32" | 48 ³ / ₄ " x 33 ¹ / ₁₆ " | 80" x 32" | 79 ¹ / ₈ " x 33 ¹ / ₁₆ " |

*Note: Based on 8" x 8" nominal glass block.

VINYL FRAME WINDOWS

PHYSICAL PROPERTIES AND PERFORMANCE DATA

| | |
|--|-------------------|
| Installed Weight | 9.80 lbs./sq. ft. |
| Light Transmission | 75% |
| Sound Transmission | STC = 26 |
| ASTM E-90-97 | OITC = 31 |
| AAMA 1503 (Condensation Resistance Factor) | CRF = 64 |
| AAMA 1701.2 (Use in Manufactured Housing) | HUD Approved |

NFRC - 100-97 (THERMAL PERFORMANCE)

| R-Value | U-Value | Window Size | Grade |
|-----------------------------------|-----------------------------------|---------------|-------------|
| 1.92 (HR•FT ² •°F/BTU) | 0.52 (BTU/HR•FT ² •°F) | 48in. x 48in. | Residential |

NFRC - 201-01 (SOLAR HEAT GAIN COEFFICIENT)

| | |
|--------------------|------|
| DECORA® Pattern | 0.71 |
| IceScapes® Pattern | 0.68 |

CAN/CSA-A440-M90

| Panel Size mm (in.) | Air Test Pa (PSF) + rating | Water Test Pa (PSF) + rating | Wind Load Test Pa (PSF) + rating |
|-----------------------|----------------------------|------------------------------|----------------------------------|
| 1422 x 1422 (56 x 56) | 75 (1.57) FIXED | 500 (10.45) B5 | 4,000 (83.60) C4 |
| 813 x 2032 (32 x 80) | 75 (1.57) FIXED | 500 (10.45) B5 | 4,000 (83.60) C4 |

DADE COUNTY TESTS (PROTOCOL PA 202-94)

| Panel Size (in.) | Air Test (PSF) | Water Test (PSF) = 15% x design load | Design Load (PSF) | Comments |
|------------------|----------------|--------------------------------------|-------------------|---------------------------|
| 56 x 56 | 6.24 | 9.0 | 60.0 | wood blind stops required |
| 32 x 64 | 6.24 | 9.0 | 60.0 | wood blind stops required |
| 32 x 80 | 6.24 | 9.0 | 60.0 | wood blind stops required |

SAFETY GLAZING TEST

| | |
|------------------|-------------------------------|
| ANSI Z97.1 | Passed 12", 18" and 48" drops |
| CPSC-16-CFR 1201 | Passed 48" drop |

AAMA-101/I.S. 2-97 TESTS

| AAMA Designation | Air Test (PSF) | Water Test (PSF) | Design Load (PSF) |
|------------------|----------------|------------------|-------------------|
| F-R 60 56 x 56 | 1.57 | 12.00 | 60.0 |
| F-R 60 32 x 80 | 1.57 | 12.00 | 60.0 |

Note: Wood blind stops (1" x 1 1/2") will be required over the nailing fins in areas where the design wind load is over 55 PSF.

OPTIONAL WINDOW ACCESSORIES



Brickmold White



J-Channel White



Mullion White



White Frame



Brickmold Sandstone



J-Channel Sandstone



Mullion Sandstone



Sandstone Frame

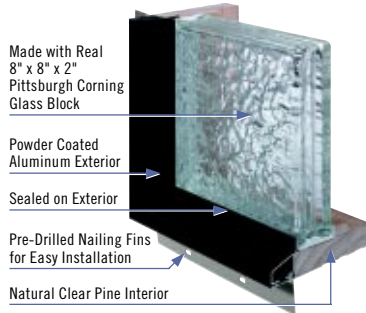
FRAME COLORS

LightWise® ALUMINUM CLAD WOOD FRAME WINDOWS BY PITTSBURGH CORNING



LightWise® ALUMINUM CLAD WOOD WINDOW FEATURES AND BENEFITS INCLUDE:

- 2-inch thick, DECORA® or IceScapes® Pattern, glass block for lighter weight and easier handling.
- 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
- 10 Year Warranty



ALUMINUM CLAD WOOD WINDOWS

PHYSICAL PROPERTIES AND PERFORMANCE DATA

| | |
|--|-----------------|
| Installed Weight (Approx.) | 14 lbs./sq. ft. |
| Light Transmission | 75% |
| Sound Transmission | STC = 26 |
| ASTM E-90-97 | OITC = 31 |
| AAMA 1503 (Condensation Resistance Factor) | CRF = 60 |
| AAMA 1701.2 (Use in Manufactured Housing) | HUD Approved |

NFRC - 102-01 (THERMAL PERFORMANCE)

| R-Value | U-Value | Window Size | Grade |
|-----------------------------------|-----------------------------------|-------------|------------------|
| 2.04 (HR•FT ² •°F/BTU) | 0.49 (BTU/HR•FT ² •°F) | 48" x 56" | Light Commercial |

NFRC - 201-01 (SOLAR HEAT GAIN COEFFICIENT)

| | |
|--------------------|------|
| DECORA® Pattern | 0.65 |
| IceScapes® Pattern | 0.65 |

NFRC - 400 (AIR INFILTRATION)

| Panel Size | Air Infiltration |
|---------------|----------------------------|
| 48in. x 64in. | < 0.01 CFM/FT ² |

CAN/CSA-A440-00

| Panel Size mm (in.) | Air Test | Water Test Pa + Rating | Wind Load Pa + Rating |
|-----------------------|----------------------------|------------------------|-----------------------|
| 1422 x 1422 (56 x 56) | 0.06 (m ³ /h) m | 574 B5 | 6460 C5 |
| 1016 x 1829 (40 x 72) | 0.06 (m ³ /h) m | 574 B5 | 6460 C5 |
| 813 x 2032 (32 x 80) | 0.06 (m ³ /h) m | 574 B5 | 6460 C5 |
| 1219 x 1626 (48 x 64) | 0.06 (m ³ /h) m | 574 B5 | 6460 C5 |

DADE COUNTY TESTS (PROTOCOL PA 202-94)

| Panel Size (in.) | Air Test (PSF) | Water Test (PSF) = 15% x Design Load | Design Load (PSF) |
|------------------|----------------|--------------------------------------|-------------------|
| 56 x 56 | 6.24 | 13.5 | 90.0 |
| 40 x 72 | 6.24 | 13.5 | 90.0 |
| 32 x 80 | 6.24 | 13.5 | 90.0 |
| 48 x 64 | 6.24 | 13.5 | 90.0 |

SAFETY GLAZING TEST

| | |
|------------------|-------------------------------|
| ANSI Z97.1 | Passed 12", 18" and 48" drops |
| CPSC-16-CFR 1201 | Passed 48" drop |

AAMA-101/I.S. 2-97 TESTS

| AAMA Designation | Air Test (PSF) | Water Test (PSF) | Design Load (PSF) |
|------------------|----------------|------------------|-------------------|
| F-LC 90 56 x 56 | 6.24 | 12.00 | 90.0 |
| F-LC 90 32 x 80 | 6.24 | 12.00 | 90.0 |
| F-LC 90 40 x 72 | 6.24 | 12.00 | 90.0 |
| F-LC 90 48 x 64 | 6.24 | 12.00 | 90.0 |

LIGHTWISE® ALUMINUM CLAD WOOD WINDOWS SIZING CHART

| *Nominal Glass Block Panel Size | **Required Rough Opening Size (width x height) | *Nominal Glass Block Panel Size | **Required Rough Opening Size (width x height) | *Nominal Glass Block Panel Size | **Required Rough Opening Size (width x height) |
|---------------------------------|--|---------------------------------|--|---------------------------------|--|
| 16" x 16" | 18 1/2" x 18 1/2" | 32" x 32" | 34" x 34" | 48" x 56" | 49 3/8" x 57 3/8" |
| 16" x 24" | 18 1/2" x 26 1/4" | 32" x 40" | 34" x 41 11/16" | 48" x 64" | 49 3/8" x 64 15/16" |
| 16" x 32" | 18 1/2" x 34" | 32" x 48" | 34" x 49 3/8" | 56" x 16" | 57 3/8" x 18 1/2" |
| 16" x 40" | 18 1/2" x 41 11/16" | 32" x 56" | 34" x 57 3/8" | 56" x 24" | 57 3/8" x 26 1/4" |
| 16" x 48" | 18 1/2" x 49 3/8" | 32" x 64" | 34" x 64 15/16" | 56" x 32" | 57 3/8" x 34" |
| 16" x 56" | 18 1/2" x 57 3/8" | 32" x 72" | 34" x 72 11/16" | 56" x 40" | 57 3/8" x 41 11/16" |
| 16" x 64" | 18 1/2" x 64 15/16" | 32" x 80" | 34" x 80 1/2" | 56" x 48" | 57 3/8" x 49 3/8" |
| 16" x 72" | 18 1/2" x 72 11/16" | 40" x 16" | 41 11/16" x 18 1/2" | 56" x 56" | 57 3/8" x 57 3/8" |
| 16" x 80" | 18 1/2" x 80 1/2" | 40" x 24" | 41 11/16" x 26 1/4" | 64" x 16" | 64 15/16" x 18 1/2" |
| 24" x 16" | 26 1/4" x 18 1/2" | 40" x 32" | 41 11/16" x 34" | 64" x 24" | 64 15/16" x 26 1/4" |
| 24" x 24" | 26 1/4" x 26 1/4" | 40" x 40" | 41 11/16" x 41 11/16" | 64" x 32" | 64 15/16" x 34" |
| 24" x 32" | 26 1/4" x 34" | 40" x 48" | 41 11/16" x 49 3/8" | 64" x 40" | 64 15/16" x 41 11/16" |
| 24" x 40" | 26 1/4" x 41 11/16" | 40" x 56" | 41 11/16" x 57 3/8" | 64" x 48" | 64 15/16" x 49 3/8" |
| 24" x 48" | 26 1/4" x 49 3/8" | 40" x 64" | 41 11/16" x 64 15/16" | 72" x 16" | 72 11/16" x 18 1/2" |
| 24" x 56" | 26 1/4" x 57 3/8" | 40" x 72" | 41 11/16" x 72 11/16" | 72" x 24" | 72 11/16" x 26 1/4" |
| 24" x 64" | 26 1/4" x 64 15/16" | 48" x 16" | 49 3/8" x 18 1/2" | 72" x 32" | 72 11/16" x 34" |
| 24" x 72" | 26 1/4" x 72 11/16" | 48" x 24" | 49 3/8" x 26 1/4" | 72" x 40" | 72 11/16" x 41 11/16" |
| 24" x 80" | 26 1/4" x 80 1/2" | 48" x 32" | 49 3/8" x 34" | 80" x 16" | 80 1/2" x 18 1/2" |
| 32" x 16" | 34" x 18 1/2" | 48" x 40" | 49 3/8" x 41 11/16" | 80" x 24" | 80 1/2" x 26 1/4" |
| 32" x 24" | 34" x 26 1/4" | 48" x 48" | 49 3/8" x 49 3/8" | 80" x 32" | 80 1/2" x 34" |

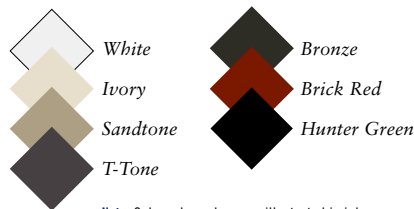
Notes: *Based on 8" x 8" nominal sized glass block. **Rough Opening Size = Actual Size + 3/4".

OPTIONAL WINDOW ACCESSORY



2" Wood Extension Jamb

FRAME COLORS



Note: Colors shown here are illustrated in ink. Actual frame colors may vary from colors shown here.

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