PITTSBURGH CORNING GLASS BLOCK PROJECT PLANNER

Timeless Beauty All Around Your Home

- Durable
- Easy to maintain
- Won’t scratch or discolor
- Transmits light
- Creates privacy
- Easy to install

Use this grid to lay out your project and determine the materials you will need.

PRESENTED IN 3 EASY STEPS

1

Select the Right Series of Glass Block

Pittsburgh Corning offers two basic series of glass block — Premiere and Thinline™. Both series are available in assorted patterns and sizes. As well, each series has different types of finishing units available to complement your project. Not all products shown may be in stock. Consult your retailer for availability and pricing of special order items.

NOTE: THIS GUIDE IS ONLY FOR OUR MOST POPULAR PATTERN — DECORA®

Premiere Series

- 4" thick (nominal) provides extra stability and durability
- Choice of architects and building professionals
- Highest insulation, sound transmission and fire resistance ratings
- Recommended for curved and angled panels, and shower walls
- Suitable for interior walls up to 250 square feet and exterior walls up to 144 square feet
- 3" thick (nominal) provides extra stability and durability
- Suitable for interior walls up to 85 sq. ft. and exterior walls up to 25 sq. ft.
- Mortar installation only

Premiere Series Finishing Units

Available in the following sizes and styles: DECORA® pattern only

- EndBlock, 6" x 8" and 8" x 8" for finishing horizontal or vertical edges of interior panels.
- ENCURVE® 8” Blocks
- HEDRON® Corner Blocks, 8” high
- TRIDRON 45° Blocks, 8” high
- ARQUE® Blocks, 8” High

Thinline™ Series

- 3” thick (nominal)
- Ideal for windows and non-curved walls
- Silicone or mortar installation

Thinline™ Series Glass Block

Available in the following sizes (nominal*):

- 4" x 8”
- 6" x 6”
- 6” x 8”
- 8” x 8” (Our most popular block)

Thinline™ Series Finishing Units

- EndBlock, 4” x 8” for finishing horizontal or vertical edges of interior panels. DECORA® pattern only

Choose the Right Installation System

Mortar Installation

- Use with Premiere Series (4” thick) and Thinline™ Series (3” thick) Glass Blocks.
- Suitable for interior and exterior applications.
- Use to achieve traditional “grid look” versus the seamless all-glass look of silicone installation.
- Use for curved wall (Premiere Series only) and straight wall installations.

Silicone Installation

- Use with Thinline™ Series (3” thick) Glass Block only.
- No special skills or tools required.
- Suitable for interior and exterior applications.
- Use for interior panels no larger than 85 sq. ft. that are framed on all 4 sides. Three-sided support is only recommended where the free edge does not exceed six feet in length. Exterior panels must be no larger than 25 sq. ft. and framed on all four sides.
- Not for use with curved or angled walls.
- Achieve a “seamless all-glass look” versus the mortar traditional “grid look”.

* NOTE ON BLOCK SIZE: Actual size is slightly smaller, to allow for application of mortar or silicone. Example: 8” x 8” nominal = 73⁄4” x 73⁄4” actual

See reverse side for additional information.
Create Your Materials List

It is always easier to cut a rough opening to fit the glass block rather than trying to make the glass block fit a given space. If the space is too large, you need to fill the opening to fit your glass block project.

Rough Opening Calculations

**Mortar I System**
- For panels 25 sq. ft. or less, enclosed on all four sides

**Number of Glass Block** – Divide the height and width by the nominal dimension of the glass block you are using.

**Example:** Using 8" x 8" glass block with a panel height of 48" and a width of 32"
- Height = 48" ÷ 8" = 6 block
- Width = 32" ÷ 8" = 4 block
- Multiply the number of block needed for the height by the number of block needed for the width.
- 6 block x 4 block = 24 block

**Expansion Strip** – You will need enough to cover the head (top of panel). Expansion strip is available in 2'.

**VeriTru® Spacers** – Number of glass block x 1.5.

**Example:** 24 block x 1.5 = 36 spacers

**Mortar II System**
- For panels larger than 25 sq. ft. or enclosed on only three sides

**Number of Glass Block** – Divide the height and width by the nominal dimension of the glass block you are using.

**Example:** Using 8" x 8" glass block with a panel height of 80" and a panel width of 64"
- Height = 80" ÷ 8" = 10 block
- Width = 64" ÷ 8" = 8 block
- Multiply the number of block needed for the height by the number of block needed for the width.
- 10 block x 8 block = 80 block

**Expansion Strip** – Number of glass block x 1.5.

**Example:** 80 block x 1.5 = 120 spacers

**Panel Anchors** – Installed every other horizontal mortar joint. Panel reinforcing is available in 48" lengths.

**Example:** 10 block high × 5 rows of panel reinforcing = 50 rows
- 50 rows × 48" = 2400"
- 2400" ÷ 4" = 600 pieces of panel reinforcing

**Mortar**

The following is an estimate of the number of blocks that can be installed per 50 pound bag of mortar:

<table>
<thead>
<tr>
<th>Block Size (Nominal)</th>
<th>4&quot; x 8&quot;</th>
<th>6&quot; x 8&quot;</th>
<th>8&quot; x 8&quot;</th>
<th>12&quot; x 12&quot;</th>
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</thead>
<tbody>
<tr>
<td>No. of Pieces (Series 11)</td>
<td>34</td>
<td>34</td>
<td>30</td>
<td>26</td>
</tr>
<tr>
<td>No. of Pieces (Series 17)</td>
<td>42</td>
<td>46</td>
<td>36</td>
<td>32</td>
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</tbody>
</table>

Note: For exterior applications, use a tube of Pittsburgh Corning Glass Block Sealant for every 30 linear feet of perimeter that should be sealed around the jambs and head.

Mortar Installation Accessories

**VeriTru® Spacers** – Spacing and ensuring uniform spacing

**Panel Anchors** – Tie glass block panels into surrounding framework when necessary. Never cut jambs and use long anchor sizes not on chart.

**Tools for Mortar Installation**

- Margin Trowel
- Hoisting Tongs
- Mortar Mixing Pan
- Kiln Clean Brush (2)

**Mortar Installation Instructions**

Detailed installation instructions are found in every bag of Pittsburgh Corning Glass Block Sealant. To view our website, visit www.pittsburghcorning.com

YOURS HOSPITAL LIST

<table>
<thead>
<tr>
<th>Glass Block</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pittsburgh Corning Glass Block Sealant</td>
<td>1 tube</td>
</tr>
<tr>
<td>Pittsburgh Corning Glass Block Sealant</td>
<td>2 tubes</td>
</tr>
</tbody>
</table>

For Mortar Installation

- **Expansion Strips**
- **Cushion glass block and allow for expansion and contraction**

Tools for Silicone Installation

- **Power Drill**
- **Extension Cord**
- **씀다방**
- **Measuring Tape**
- **Utility Knife**
- **Battery Plastic Power Drill**
- **Battery Plastic Power Drill**

For Silicone Sealant

- **Kwik’N EZ® Rigid Track Silicone System**
- **Kwik’N EZ® Rigid Track Silicone System**

Silicone Installation Information

Detailed installation instructions are included in every Kwik’N EZ® Kit. For more information, visit our website www.pittsburghcorning.com

NEED HELP?

Visit our website: www.pittsburghcorning.com for detailed, technical instructions and answers to frequently asked questions.

Or call 1-800-724-2120 to order:
- Installation Video ($10.95)
- Touch of Glass Idea Book ($9.35)