

Pittsburgh Corning Corporation

LightWise® Residential Systems

Wood Framed Hurricane Resistant Glass Block Window

Product Data Sheet

Product: Pittsburgh Corning Corporation Wood Framed Hurricane Resistant Glass Block Window.

Manufacturer: Pittsburgh Corning Corporation, 800 Presque Isle Drive, Pittsburgh, PA 15239, Phone: 724-327-6100, Fax: 724-387-3806, www.pittsburghcorning.com

Product Description: Pittsburgh Corning prefabricated wood framed hurricane resistant window comprised of 8" x 8" x 4" Thickset® 90 glass blocks assembled with Pittsburgh Corning's KWIK'N EZ® Rigid Track Silicone System and Rigid PVC Plastic Channel. The assembled glass block window is framed in nominal 2" x 6" pressure-treated wood or, if requested, in an alternative wood framing that satisfies Dade County test specifications.

Applications & Recommended Uses: When installed to specification, this product can be used as effective protection against flying debris and hurricane force winds while still providing the aesthetics and functionality of glass block windows. This product provides the same protection as Pittsburgh Corning's Hurricane Impact Glass Block System (GB-301 12/05) and uses the same test certifications but is shipped and installed as a single window unit rather than blocks and accessories to be assembled on-site; thus making installation much easier and faster.

Limitations: This product is not a fire-rated assembly and should not be used in any application that would be considered a fire wall, fire barrier, fire window or any other fire protection area. This product is subject to the Physical Properties and Performance Data limitations stated herein.

Physical Properties and Performance Data:

Design pressure ratings are good for the dimensions given up to the dimension limits below. They are intended to satisfy moderate to extreme conditions as required by local building codes.

- 4 ft. x 8 ft. design pressure rating +/- 80 PSF
- 6 ft. x 6 ft. design pressure rating +/- 68 PSF

- 4 ft. x 4 ft. design pressure rating +/- 100 PSF

Larger openings can be accommodated with structural support between. Thickset® 90 patterns available in 8" x 8" x 4" blocks are Decora®, Vue® and Endura™.

Testing:

- Passed Large Missile Impact Test: 9 lb. – 2 x 4 piece of lumber, shot out of a cannon from about 18 feet away, and going about 34 MPH (50 feet/second), two shots – one at center of the window and one at corner about 6 inches from the corner.
- Passed Air, Water and Structural Tests:
 - § Passed Water Test for 15% Design Pressure for 15 minutes without a drop on interior side.
 - § Passed Overload Tests at 1-1/2 times Design Pressure.
 - § Passed Cyclic Tests of about 9,000 cycles ranging from zero to 100% Design Pressure. Cyclic Tests last for about five hours.
- Tested to Dade County Test Standards (Dade and Broward Counties):
 - § Test Protocol TAS 201 – Large and Small Missile Impact Tests
 - § Test Protocol TAS 202 – Air, Water, Structural Tests
 - § Test Protocol TAS 203 – Cyclic Wind Pressure Loading Tests
- Equivalent Test Standards (outside of Florida):
 - § ASTM E1886 – Impact and Cycle Tests
 - § ASTM E1996 – Air, Water, Structural Tests
- Other properties:
 - § STC of this product is 48.
 - § U-value of this product is 0.50.
 - § R-value is 2.00.

Installation: Refer to Pittsburgh Corning Corporation Wood Framed Hurricane Resistant Glass Block Window Installation Instructions.

Technical Services: Pittsburgh Corning Corporation Sales Managers are available to assist you in selecting an appropriate product. Complete

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technical information and literature are available on line at www.pittsburghcorning.com. You may also speak with a technical representative by calling our toll free number at 1-800-624-2120 and accessing our Technical Department.

Warranty: PCC offers a ten (10) year limited warranty, subject to General Conditions and Application Restrictions. See written Warranty for details. The Wood Framed Hurricane Resistant Glass Block Window Limited Warranty is available at www.pittsburghcorning.com or by calling 1-800-624-2120 to request a copy. **PITTSBURGH CORNING CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.**