

Product Evaluation

WIN2669 | 1221

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: WIN-2669

Effective Date: December 1, 2021

Re-evaluation Date: August 2024

Product Name: Clear Choice Hurricane Fixed Window, Glass Block Window with Vinyl Frame, Impact Resistant

Manufacturer: Medina Glass Block, Inc. dba
The Glass Block Supply Company
1213 Medina Road
Medina, OH 44256
(877) 280-7700

General Description:

The glass block windows evaluated in this report are site-built glass block window assemblies. The glass block windows evaluated in this report are individual windows. The glass block windows are impact resistant.

General Description:

System	Description	Label Rating	Design Pressure Rating
1	Clear Choice Hurricane Impact Glass Block Windows with Vinyl Frame; Fixed Glass Block Window	Maximum Size Tested: 47.44" x 47.44" Large Missile Impact Rated	+80 / -80 psf

Product Dimensions:

System	Overall Size	Individual Block Size
1	47-7/16" x 47-7/16"	7-1/2" x 7-1/2" x 3-3/16"

Product Identification (Certification Label on Window):

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Medina Glass Block, Inc. dba Glass Block Supply Co.
	Product Name	Clear Choice Hurricane Impact Glass Block Window w/Vinyl Frame
	Test Standards	TAS 201/202/203-94 Large Missile Impact Rated

Limitations:**Design Drawings:**

Glass block window assemblies must comply and be installed in accordance with the following design drawing:

Drawing No. MGBCCH-TDI; "Clear Choice Hurricane Window System;" Sheets 1 thru 3; dated September 27, 2021; signed and sealed by Lucas A. Turner, P.E on November 1, 2021. This evaluation report refers to the stated drawings as the approved drawings.

Fabrication and Assembly: The glass blocks are fabricated in the factory. The glass block assemblies are installed at the jobsite block by block. The glass block assembly must be installed as specified on the approved drawings.

Impact Resistance: The glass block window satisfies TDI's criteria for protection from windborne debris. The assemblies passed a missile impact test equivalent to Missile Level D specified in ASTM E 1996-14a. The assemblies do not require protection with an impact protective system. The windows may be installed at any height on the structure as long as the design pressure rating is not exceeded.

Installation Instructions:

General: Prepare and install the assembly in accordance with the approved drawings and the manufacturer's installation instructions. Detailed installation instructions are available from the manufacturer.

Installation:

Wall Framing Construction: The glass block assemblies must be secured to the wall framing as specified in the approved drawings.

Fastener Requirements:

- Refer to the approved drawings for the anchor requirements and notes.
- Refer to the approved drawings for the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

Note: Keep the manufacturer's installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC and the IBC.