

Product Evaluation

SK-28 | 0924

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: SK-28

Effective Date: September 1, 2024

Re-evaluation Date: March 2026

Product Name: 4x4 CMC Hurricane Polyurethane Glass Skylights, Impact Resistant

Manufacturer: Vtech Industries
 5534 Harvey Wilson Drive
 Houston, TX 77020
 (866) 491-0843

General Description:

System	Description	Label Rating	Design Pressure Rating
1	4x4 CMC Hurricane Polyurethane Glass Skylight	SKG-C55 51x51 Missile Level D	+55/-55 psf

Product Dimensions:

System	Overall Size	Daylight Opening Size
1	51-1/4" x 51-1/4"	44-7/8" x 44-7/8"

Product Identification (Certification Label on Skylight):

System		
1	Certification Agency	AAMA
	Manufacturer's Name or Code Name	VTC-1
	Product Name	4x4 CMC Hurricane
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA 506-06; Missile Level D

Impact Resistance:

System	Impact resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris in both the Inland I zone and the Seaward zone . Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Acceptance of Smaller Assemblies: Identically built assemblies with dimensions equal to or smaller than those specified in this evaluation report are acceptable within the limitations specified in this evaluation report.

Installation:

- **General:** Prepare and install skylight assembly in accordance with the manufacturer's recommended installation instructions and this evaluation report. Detailed installation instructions and component drawings are available from the manufacturer.
- **Roof Framing Construction:** Mount skylights to a wood curb, which is a minimum 2x Spruce-Pine-Fir (specific gravity of 0.42" or greater) dimension lumber. Design the wood curb and the attachment of the wood curb to the roof framing to resist the design pressures of the skylight as specified in this evaluation report. A Texas licensed engineer must design the wood curb and the attachment of the wood curb to the structure.
- **Installation Details:** Secure the skylight to the wood curb using the skylight's frame with minimum No. 10 screws. Space fasteners approximately 6" from each corner and 12" on center along the perimeter of the skylight. Use fasteners long enough to penetrate a minimum of 1" into the wood framing.

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.