

## Product Evaluation

SK18 | 0421

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-18

**Effective Date:** April 1, 2021

**Re-evaluation Date:** April 2025

**Product Name:** Model DGCM 2017 (Curb Mount) Aluminum Skylights, Impact Resistant

**Manufacturer:** Maxim Industries, Inc.  
1630 Terre Colony Court  
Dallas, TX 75212  
(214) 905-2021

### General Description:

System	Description	Label Rating	Design Pressure Rating
1	Model DGCM 2017 (Curb Mount) Aluminum Skylights	CW-PG100 61x61-SKG Missile Level D	+100 / -100 psf

### Component Dimensions:

System	Overall Size	Daylight Opening Size
1	61-1/2" x 61-1/2"	57" x 57"

**Product Identification (Certification Agency Label on Window):**

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	Maxim Industries, Inc.
	Product Name	Maxim Impact DGCM 2017 Aluminum Skylight
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-011; ASTM E 1886-13a; ASTM E 1996-12; Missile Level D

**Impact Resistance:**

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris. The skylights passed Missile Level D as specified in ASTM E 1996. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation:**

Mount skylights to a wood curb that is minimum 2x Spruce-Pine-Fir dimension lumber. Use a wood curb tall enough to maintain a minimum distance of 4" from the bottom of the aluminum frame to the top of the roof covering. Secure the wood curb to minimum 2x dimension lumber roof framing to resist the design pressures of the skylight as specified in this evaluation report. A Texas licensed engineer must design the attachment of the wood curb to roof framing.

An aluminum gutter seat must rest on top of the wood curb. Place a bead of Dow Corning 795 structural sealant between the aluminum gutter and the wood curb and between the aluminum gutter and the skylight. Secure the skylight to the wood curb with an aluminum frame. Place a bead of Dow Corning 795 structural sealant between the aluminum frame and the skylight. Secure the aluminum frame to the wood curb with minimum No. 12 x 1-1/2" stainless steel screws. Locate fasteners approximately 3-1/2" from each corner and approximately 9" on center along the perimeter of the skylight. Use fasteners long enough to penetrate a minimum of 1-1/4" into the wood curb.

**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.