



Product Evaluation

SK18 | 1014

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.

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|-----------------------|-------|----------------------------|-------------------|
| Evaluation ID: | SK-18 | Effective Date: | September 1, 2014 |
| | | Revised: | October 1, 2014 |
| | | Re-evaluation Date: | July 2018 |

Product Name: Model DGCM (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 (Curb Mount) Aluminum Skylights | SKG-C55 61x61 Missile Level D; DP=+55/-55 | +55 / -55 psf |

Component Dimensions:

| System | Overall Size | Daylight Opening Size |
|--------|-----------------|-----------------------|
| 1 | 60.63" x 61.25" | 58.40" x 56.40" |

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 Glass Aluminum Glazed Curb Mount Skylight |
| | Test Standards | AAMA/WDMA/CSA 101/I.S.2/A440-05; ASTM E 1886-05; ASTM E 1996-06; Missile Level D |

Impact Resistance:

| System | Impact Resistant | Requirement |
|--------|------------------|---|
| 1 | Yes | These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone . 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 a minimum 2x Southern Yellow Pine dimension lumber. Use 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 licensed Texas 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. Space fasteners long enough to penetrate a minimum of 1-1/4" into the wood curb 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: The manufacturer's installation instructions must be available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.