

## Product Evaluation

SK31 | 0720

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-31

**Effective Date:** July 1, 2020

**Re-evaluation Date:** July 2023

**Product Name:** TCM-2 Thermally Broken Aluminum Curb Mount Plastic Dome Skylights, Non-impact Resistant

**Manufacturer:** American Skylites  
1218 Corporate Drive E  
Arlington, TX 76006  
(817) 649-6500

### General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	TCM-2 Thermally Broken Curb Mount Plastic Dome Skylights	SKP-C40 96x96	+/-40
2	TCM-2 Thermally Broken Curb Mount Plastic Dome Skylights	SKP-C60 60 x 96	+/-60
3	TCM-2 Thermally Broken Curb Mount Plastic Dome Skylights	SKP-C60 60 x 72	+/-60
4	TCM-2 Thermally Broken Curb Mount Plastic Dome Skylights	SKP-C60 48 x 48	+/-60

**Product Dimensions:**

System	Overall Size
1	96" x 96"
2	60" x 96"
3	60" x 72"
4	48" x 48"

**Product Identification (Certification Label on Skylight):**

System		
1	Certification Agency	NAMI
	Manufacturer's Name or Code Name	American Skylites
	Product Name	TCM-2 Thermally-Broken Aluminum Standard Curb Mount Plastic Dome Skylight
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05

**Impact Resistance:**

System	Impact resistant	Requirement
1	No	Provide an impact protective system when installing the product in areas that require windborne debris protection.

**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:** The skylight assembly must be prepared and installed 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:** The skylights must be mounted to a wood curb. The wood curb must be minimum 2x Southern Yellow Pine dimension lumber. The wood curb and the attachment of the wood curb to the roof framing must be designed to resist the design pressures of the skylight as specified in this evaluation report. The wood curb and the attachment of the wood curb to the structure must be designed by an engineer licensed to practice in the State of Texas.

**Attachment of Skylight to Curb:** The skylight must be secured to the wood curb using the frame of the skylight with minimum No. 10 screws. The fasteners must be spaced approximately 4" from each corner and approximately 12" on center along the perimeter of the skylight. The fasteners must be long enough to penetrate a minimum of 1-1/2" 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.