

TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION

Effective January 1, 2012

SK-30

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 shall be subject to reevaluation **August 2013**.

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.

Series CM-2 Aluminum Standard Curb Mount Plastic Dome Skylights, Non-impact Resistant, manufactured by:

American Skylites
525 113th Street
Arlington, Texas 76011
Telephone: (817) 633-4666

are acceptable for use along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation report.

PRODUCT DESCRIPTION

The Series CM-2 skylights are aluminum skylights with a plastic dome. The skylights are mounted to a curb that is secured to the roof framing of the structure. The skylights are non-impact resistant. This evaluation report is for skylights based on the following tested configurations:

General Description:

System	Description	Label Rating
1	Series CM-2 Aluminum Standard Curb Mount Plastic Dome Skylights	SKP-C30 96 x 96
2	Series CM-2 Aluminum Standard Curb Mount Plastic Dome Skylights	SKP-C50 60 x 96
3	Series CM-2 Aluminum Standard Curb Mount Plastic Dome Skylights	SKP-C30 60 x 72
4	Series CM-2 Aluminum Standard Curb Mount Plastic Dome Skylights	SKP-C60 48 x 48

Component Dimensions:

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

Glazing Description:

System	Glass Construction ¹	Glazing Method ²
1	SG-1	GM-1
2	SG-2	GM-1
3	SG-3	GM-1
4	SG-4	GM-1

Note: ¹ See the "Glass Construction Key" for the glazing construction.

² See the "Glazing Method Key" for the glazing method description.

Glass Construction Key:

SG-1: The skylight is glazed with two (2) acrylic domes. Each dome has a 0.177" thickness.

SG-2: The skylight is glazed with two (2) acrylic domes. The outer dome has a 0.177" thickness and the inner dome has a 0.118" thickness.

SG-3: The skylight is glazed with two (2) acrylic domes. The outer dome has a 0.118" thickness and the inner dome has a 0.090" thickness.

SG-4: The skylight is glazed with two (2) acrylic domes. The outer dome has a 0.090" thickness and the inner dome has a 0.080" thickness.

Glazing Method Key:

GM-1: The acrylic domes are exterior glazed with a glazing tape along their perimeter.

Frame Construction: The top frame consists of an aluminum angle that is welded at the corners. The bottom frame is manufactured of aluminum with a santoprene rubber gasket clasp. The top frame is fastened to the bottom frame screws.

Reinforcement: None.

Hardware: None.

Product Identification: A certification program label (NAMI) will be affixed to the skylight. The certification program label includes the manufacturer's name (**American Skylites**); product name: **CM-2 Aluminum Standard Curb Mount Plastic Dome Skylight**; performance characteristics; the approved inspection agency (NAMI); and the following applicable standard: AAMA/WDMA/CSA 101/I.S.2/A440-05.

LIMITATIONS

Design pressures (DP):

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressure (psf)
1	96	96	± 30
2	60	96	± 50
3	60	72	± 30
4	48	48	± 60

Impact Resistance: These assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

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 INSTRUCTIONS

General: The skylight assembly shall 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 shall be mounted to a wood curb. The wood curb shall be minimum 2x Southern Yellow Pine dimension lumber. The wood curb and the attachment of the wood curb to the roof framing shall 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 shall be designed by an engineer licensed to practice in the State of Texas.

The skylight shall be secured to the wood curb using the frame of the skylight with minimum No. 10 screws. The fasteners shall be spaced approximately 4 inches from each corner and approximately 12 inches on center along the perimeter of the skylight. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wood framing.

Note: The manufacturer's installation instructions and the design drawings shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.