

Equivalency Evaluation Report

Product Manufacturer

Natural Light Energy Systems, dba Kennedy Skylights
5294 Tower Way
Sanford, FL 32773

Product Series, Model and/or Description

ISFG4 Curb Mounted Glass Skylight
Large Missile Impact

Code: Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code

Compliance Method: Product Approval Rule 61G20-3.015(4)(d) – Equivalency of Standards

Product Testing, Materials and Certification:

- Performance Testing Standards used for this product approval:
 - ASTM E330-90, Standard Test Method for Structural Performance of Exterior windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
 - ASTM E331-93, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
 - ASTM E283-91, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen
 - ASTM E1886-99, Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by missile(s) and Exposed to Cyclic Pressure Differentials
 - ASTM E1996-99, Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes
- Test Reports
 - NCTL-210-2959-1, dated 10/30/03, signed and sealed by Gerald J. Ferrara, P.E., testing to ASTM E283-91/E330-90/E331-93 and ASTM E1886-99/1996-99 for "ISFG4" Curb Mounted Self-Flashing Glass Skylight
- Material Certifications/Component Approvals:
 - Laminated Glass Interlayer: See current Miami-Dade Notice of Acceptance (NOA) for component approval for Kuraray Trosifol (formally Butacite) PVB Glass Interlayer by Kuraray America, Inc. used in this product. Kuraray America NOA can be found [here](#).

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PERFORMANCE TESTING

The following table shows the performance standards used in testing and those in the current edition of the FBC.

Standard Used in Testing		Current Edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code		Comments
Description	Revision Level	Building Volume (FBC)	Residential Volume (FRC)	
ASTM E330	90	14	14	See Evaluation Below
ASTM E331	93	00 (2009)	00 (2009)	
ASTM E283	91	04 (2012)	04 (2012)	
ASTM E1886	99	13a	13a	
ASTM E1996	99	14a	14a	

ASTM E283-91/E330-90/E331-93 and ASTM E1886-99/1996-99: It has been concluded that no material or substantive revisions or changes to these referenced standards have occurred (where applicable) that affect the results of design, testing or engineering of the approved product(s).



Equivalency Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 2386-EER, Rev. 3 | Project No. 423-0504 | 10/16/23 | Page 2 of 2

MATERIALS TESTING

Kuraray Trosifol (formally Butacite) PVB Glass Interlayer material properties per current Miami-Dade Notice of Acceptance (NOA) were reviewed for conformance to the current edition of the Florida Building Code including the 8th Edition (2023) Florida Building Code and found to be acceptable.

Current Kuraray America NOA can be found [here](#).

Certificate of Independence per Product Approval Rule 61G20-3.009

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Evaluated By:
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