
**CHECKLIST #0275 FOR THE APPROVAL OF:
SKYLIGHTS**

- Basic Requirements Checklist.
- One set of the manufacturer's 'approval document' including:
 - a) Extrusion and/or typical section with details, properties and all dimensions as read by the laboratory with a caliper,
 - b) Assembly details, including reinforcements, and
 - c) Fastener and connecting details including size and location, corresponding with test and calculations.
- For cluster or monumental skylight units, calculations are required for structural integrity of the assembly with loads according to FBC chapter 16 indicating:
 - a) Aluminum stresses according to The Aluminum Association Specifications,
 - b) Steel stresses according to AISC Steel Construction Manual,
 - c) Deflection for load carrying members not to exceed L/180,
 - d) Design of plastic materials in accordance with chapter 26 (HVHZ) of the FBC,
 - e) Capacity and load documentation of anchors used. Anchor verification required for all cases.
- One set of manufacturer's design drawings marked and verified by the testing laboratory.

The following current laboratory tests and test reports in compliance with protocol TAS 301.

- Impact test per TAS201.
- Air infiltration, uniform static air, and water resistance tests per TAS202.
- Cyclic test per TAS203.
- Force entry resistance test required on operable skylights per ASTM F588 (Level 10) or AAMA 1302.5.
- Thermal Transmittance (U-factor) per checklist G.8 (See note 6)
- Solar Heat Gain Coefficient (SHGC) per checklist G.9 (See note 6)

Notes:

1. If skylight has plastic as a component, add the plastic checklist to these requirements.
2. The skylights must be labeled in accordance to ANSI Z 35.1-72 Class 1.
3. TAS201 & TAS203 are applicable if skylight approval is to include impact resistance.
4. If the skylight is installed on an open structure, it is exempt from TAS201, TAS203, and the water & air tests of TAS202.

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Skylights

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MIAMI-DADE COUNTY, FLORIDA
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
PRODUCT CONTROL SECTION

5. The following equation may be used to calculate the allowable cycle time for specimens larger than 75 ft² and with a width of more than 20 ft. and/or height of more than 8 ft.
Maximum allowable cycle time for specimens over 75 ft² = (area of specimen – 75) x (0.06) +3 seconds Maximum allowable cycle time for this equation is not to exceed 10 seconds.
6. Refer to checklist G.0 - *GSA Basic Submittal Requirements* for use of this checklist and applicable *GSA Template*.

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