



## SUMMARY OF AUBURN® SKYLIGHT TEST DATA AND RESULTS

### Materials/Standard Finishes

#### 1. Framing Materials:

- a. Extruded Aluminum: ASTM B 221, Alloy 6063-T6, 6061-T5, or equivalent. Material alloy, temper and thickness shall be as required for loading, deflection, cross-sectional configuration and finish.

#### 2. Glazing Strips:

- a. Extruded EPDM rubber, ASTM C 864 and C 1115.
- b. Durometer: 70 plus or minus.

3. Color: Black

#### 3. Flashing:

- a. Formed Aluminum Components and Flashing: Alloy 5005-H34 or equivalent.
- b. Minimum Thickness: 0.040 inch.

#### 4. Setting Blocks:

- a. Extruded Type II EPDM.
- b. Hardness, ASTM D 2240, Type A: Durometer 80 plus or minus
- c. Color: Black.

#### 5. Condensation Control System:

- a. Skylight system provided with an integral gutter system on all framing members, including rafters. Mechanically design entire condensation control system to function properly with minimal dependency upon sealants.

#### 6. Glazing Caps:

- a. Extruded aluminum, Alloy 6063-T6.

#### 7. Fasteners:

- a. For Framing Connections: As required by connection. Aluminum: ASTM B 211/Alloy 2024-T4.
- b. Stainless Steel: ASTM A 193, Series B8 300.
- c. Aluminum Rivets: ASTM B 316.
- d. For Exterior Cap Retainers: Stainless steel screws, ASTM A 193, Series B8 300.

#### 7. Sealants:

- a. Nonstructural Flush Glazed Joints and Weather Seal Joints: Silicone sealants. Apply in accordance with sealant manufacturer's instructions.

#### 8. Finishes

- a. Anodized Coating: Architectural Class I clear anodized, Type AA-M10C22A41.
- b. Anodized Coating: Architectural Class II clear anodized, Type AA-M10C22A31.
- c. Anodized Coating: Architectural Class I pigmented anodized, Type AA-M10C22A42/A44.
- d. Pigmented Organic Coating: AAMA 2603.
- e. High-Performance Pigmented Organic Coating: AAMA 2605.



### Performance Testing

#### 1. Air Infiltration:

- a. ASTM E 283: Not to exceed 0.05 cfm/sq ft at a static pressure of 6.24 psf (50 mph).
- b. AAMA/WDMA 1600/I.S. 7, SKG-HC40: Not to exceed 0.10 cfm/sq ft at a static pressure of 6.24 psf (50 mph).

#### 2. Static Water Penetration:

- a. ASTM E 331: No uncontrolled water leakage at a static pressure of 12 psf (69.3 mph) and a minimum water flow rate of 5 gal/hr/sq ft for 15 minutes.
- b. AAMA/WDMA 1600/I.S. 7, SKG-HC40: No uncontrolled water leakage at a static pressure of 6 psf and a minimum water flow rate of 5 gal/hr/sq ft for 15 minutes.

#### 3. Structural Load Test:

- a. ASTM E 330: Maximum allowable deflection of any member shall not exceed L/175.
- b. AAMA/WDMA 1600/I.S. 7, SKG-HC40: Permanent set of any frame member shall not exceed 0.4 percent of its unsupported span at 60 psf positive and negative test pressures.

#### 4. Simulated Field Test:

- Test skylights for dynamic water resistance at a static pressure of 12 psf in accordance with AAMA 501.2. No uncontrolled water leakage.

NOTE: All information included in this summary is based on published test reports and sales literature. Since manufacturers change their product and retest without notice, some ratings may no longer be valid. (December 2009)  
Please consult Major Industries regarding this summary.