

K8206AMD - RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules combination drainable stationary and airfoil adjustable blade Louver Type K8206AMD as designed and manufactured by The Airoilite Company LLC, Schofield, Wisconsin. Louvers shall be Florida Building Code approved for use in the High Velocity Hurricane Zone and Miami-Dade approved for installations where the enclosed space is designed to drain or otherwise accommodate water penetration (wet rooms). Louvers shall be furnished with bird screen, insect screen, sill pans, supports, installation hardware and finishes as specified and as required for a complete installation.

SUBMITTALS

Manufacturer shall submit shop drawings incorporating key plans, elevations, sections and details showing profiles, angles and spacing of louver blades and frames; unit dimensions related to wall openings and construction; and, anchorage details and locations. For each type of product specified, submit free area, air performance, water penetration and wind-driven rain water penetration ratings determined in accordance with AMCA Standard 500-L and licensed under the AMCA Certified Ratings Program. Include Miami-Dade Notice of Acceptance to demonstrate compliance with applicable code. Provide samples of manufacturer's finish and color charts showing the full range of colors available.

PRODUCTS

Louvers shall be combination type incorporating both drainable stationary and adjustable blades in a single frame. Louvers shall be Florida Building Code and Miami-Dade Approved. Louvers shall be 6-inches (152 mm) deep and assembled entirely from extruded aluminum. Stationary blades shall be 0.081-inch (2 mm) thick extruded aluminum, alloy 6063-T5. Airfoil adjustable blades shall be 0.081-inch (2 mm) thick extruded aluminum, alloy 6005-T5. Head shall be 0.125-inch (3 mm) thick extruded aluminum, alloy 6063-T5. Sill shall be 0.125-inch (3 mm) thick extruded aluminum, alloy 6005-T5. Jamb shall be 0.188-inch (4.78 mm) thick extruded aluminum, alloy 6005-T5. The stationary blades, louver head and jamb frames shall incorporate integral gutters to minimize water penetration. Stationary blades shall be positioned at 45-degrees and spaced 4.80-inches (120.65 mm) on center. Airfoil adjust-able blades shall be fitted with dual-durometer vinyl blade-edge gaskets and compressible stainless steel jamb seals at each jamb frame to restrict air leakage and water penetration when the adjustable blade is closed. The blade linkage assembly shall be fully-enclosed within the louver jamb frame and isolated from the active airstream.

STRUCTURAL DESIGN CRITERIA

Louvers shall be certified to comply with the requirements of Miami-Dade protocols TAS-201, TAS-202 and TAS-203 and Miami-Dade approved for building envelope protection for single unit sizes up to 60-inches (152 cm) wide x120-inches (305 cm) high for wet room protection. Louvers shall be tested for wind forces up to 150 psf. Louvers must be secured to a structural substrate in accordance with Dade County Product Approval Drawings. In addition, the structural substrate must be designed to accommodate the point loads transferred by the louvers when subject to the design wind loads.

PERFORMANCE RATINGS

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| FREE AREA: | 7.27 sq. ft. (0.68m ²) |
| MINIMUM FREE AREA VELOCITY at Beginning Point of Water Penetration: | 1,125 fpm (5.72 m/s) |
| MINIMUM AIR VOLUME FLOW RATE at Beginning Point of Water Penetration: | 8,179 cfm (3.86 m ³ /s) |
| PRESSURE DROP at Beginning Point of Water Penetration: | 0.17 in. H ₂ O (0.042 kPa) |