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AVS50 Louvre NBS Specification

- **Manufacturer:** Advanced Ventilation Systems Ltd,
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Website: www.advancedventilationsystems.co.uk
- **Product Reference:** AVS50 Louvre Product
- **Description:** The AVS50 is a medium format louvre system specifically designed for commercial projects where increased airflow and/or free area performances may be required.
- **Outer Frame Options:**
Glazed in: 24mm / 28mm / 32mm
Flanged Louvre: FL / EXFL
Box Frame and Surface Mount Louvres
- **Louvre Blade Pitch:** 50mm
- **Overall Depth:** 60mm
- **Measured Free Area:** 50% Free Area Based on Louvre Core (Excludes Top and Bottom Blade arrangements and any intervening blade carrying profiles)
- **Weathering Performance:** Class B with Insect Mesh.
- **Coefficient of Discharge:** 0.272 – Class 3
- **Material:** Extruded Aluminium Profile Grade 6063 – T6
- **Profile Thickness:** 1.5mm
- **Construction:** Pre-Built Modules Mechanically Jointed with Zintec Corner Chevrons
- **Finish:** Mill Finish / Polyester Powder Coated / Marine Grade Polyester Powder Coated – Interpon and Syntha Pulvin Powders – Please ask for details.
- **Mesh:** Fibreglass Insect Mesh (18x16 Mesh Count per Inch), Stainless Steel Insect Mesh (18x14 Mesh Count per Inch), 1.14mm Aluminium EXPM Diamond Birdguard (35.05LW X 11.94SW).
- **Blanking Plates:** None / 1.5mm or 2mm Aluminium Blanking Sheet / Styrofoam / Phenolic or Fabrock Insulated Composite Panels and Top Hat Tray Panels.
- **Other Options:**
Enhanced Security Option (Security Trim) and/or Water Drainage Profile.
- **Barrier Load Testing:** AVS50 SM (Surface Mounted) Louvres have been subjected to a horizontal line load of 0.74kN/m, Uniform Distributed Load of 1.0kN/m and Point Load of 0.5 kN/m and comply with the permissible deflection requirements of the standard.
- **Fixing:** Louvres to be installed in line with manufacturers instructions by a competent installer.