



supplies the building industry with a range of locally manufactured, architectural and industrial louvres for a variety of applications.

ALAF offers fixed louvres, as distinguished from adjustable louvres, that are manufactured from pre-painted Aluminium-Zinc coated Steel or Aluminium to match the buildings roofing & cladding material, providing excellent performance, enhanced corrosion resistance and aesthetic appeal.

MRM supplies the fixed louvres in either standard sizes or as customized to a client's needs.

THE IMPORTANCE OF VENTILATION

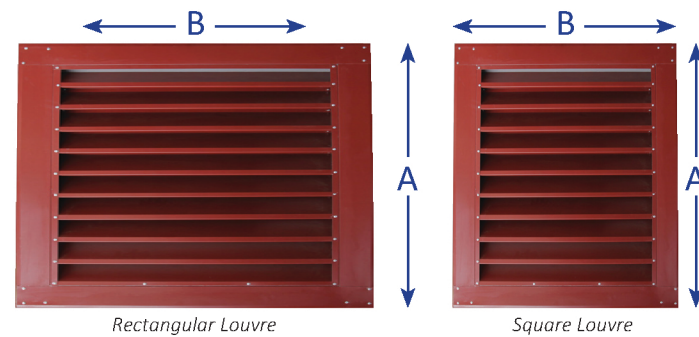
One of the main application of louvres in buildings is as natural ventilation mechanisms, though they are also usually adapted as visual screens, barriers and sun-shading. Natural ventilation is critical to the exchange of air from a building to the exterior & air circulation within the building, supplying fresh air to limit the concentration of carbon dioxide & other air-borne pollutants such as dust, smoke & volatile organic compounds (VOCs). Ventilation also positively impacts internal temperature regulation while keeping away unwanted elements like rain, wind and vermin. Louvres are an important component in today's green architecture by reducing mechanical ventilation processes that consume power and give off emissions.

FEATURES & BENEFITS OF ALAF LOUVRES

- They are available in a variety of colour finishes to complement the project's architecture.
- Besides the standard offering, a wide range of convenient customizable louvres can be supplied.
- They are made from Aluminium-Zinc coated Steel or Aluminium base – matching the building's roofing or cladding material both in long-term performance & visual appeal.
- They attract no operating costs.
- They are lightweight yet strong and do not require specialized tooling or skills to install.

ALAF FIXED LOUVRES

As complementary components to metal or other cladding material used on a building's surface, MRM fixed Louvres bring a touch of class to any project. MRM supplies 3 standard options; two square and one rectangular fixed louvres. Customizable sizes and shapes based on the either orthogonal or triangular shapes can be supplied, subject to applicable terms & conditions.



Standard ALAF Fixed Louvre Dimensions:

Parameter	ALAF1 (small square)	ALAF2 (rectangle)	ALAF3 (large square)
Overall Height A (mm)	525	525	1,025
Overall Height B (mm)	500	1,000	1,000
Louvre Frame Thickness (mm)	100	100	100
Aggregate Throat Area (M ²)	0.09	0.18	0.41
Approx. Steel Louvre Mass - 0.4mm thick (kg)	2.28	4.55	8.29
No. of Blades	5	5	10
Louvre Free Area (LFA)	32.9%	34.7%	40%



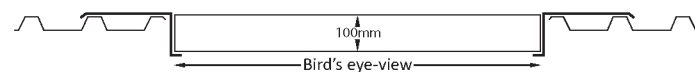
SAMPLE SPECIFICATIONS

Louvres shall be square/ rectangular / Triangular shaped xxx size (specify as ALAF1,ALAF2,ALAF3 or custom-sized), fixed type made from Colorplus® AZ100 material and of xxx colour (specify). They shall be mounted on a metal-surround frame fixed on the cladding frame/ grouted into masonry and flashed according to the manufacturer's specifications.



Legend:

1. ALAF depicts ALAF fixed Louvres
2. Number of Louvres required = $\frac{\text{Amount of Ventilation needed (as per relevant specialist)}}{\text{Aggregated Throat Area of applicable louvre}}$

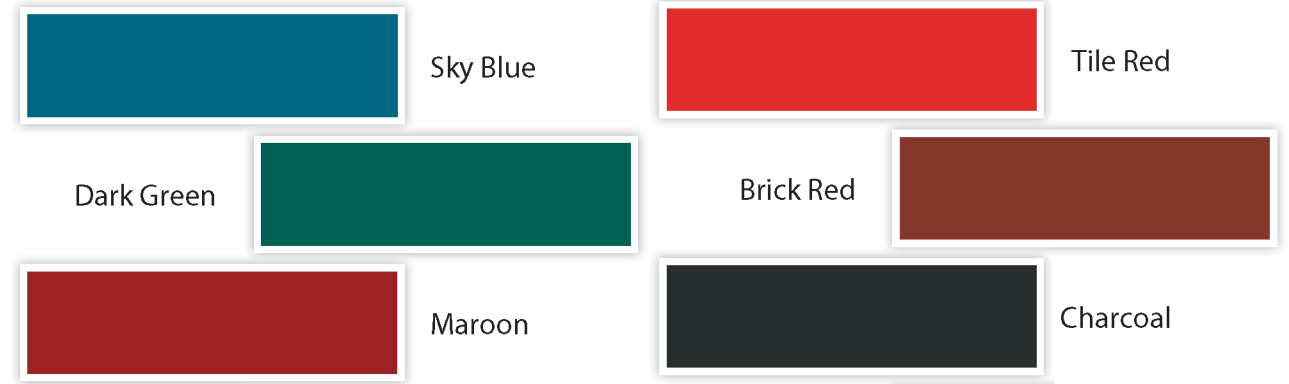


*Note: Louvres can be made in customised sizes as required.
Please enquire with sales division.

COLOUR AVAILABILITY

Colours available as per the standard colour options provided by ALAF. Bespoke colours available on request.

** Images & colours represented may vary from actual product*



LOUVRES: Common Applications



In plane infill at plants & industries/ installations.



Roof/Ceiling-Space Vents.



Screens, housing & barriers.



Sun shading devices including full-façade shading.