

AIRFOIL



GRILLES
DUCT
FITTINGS

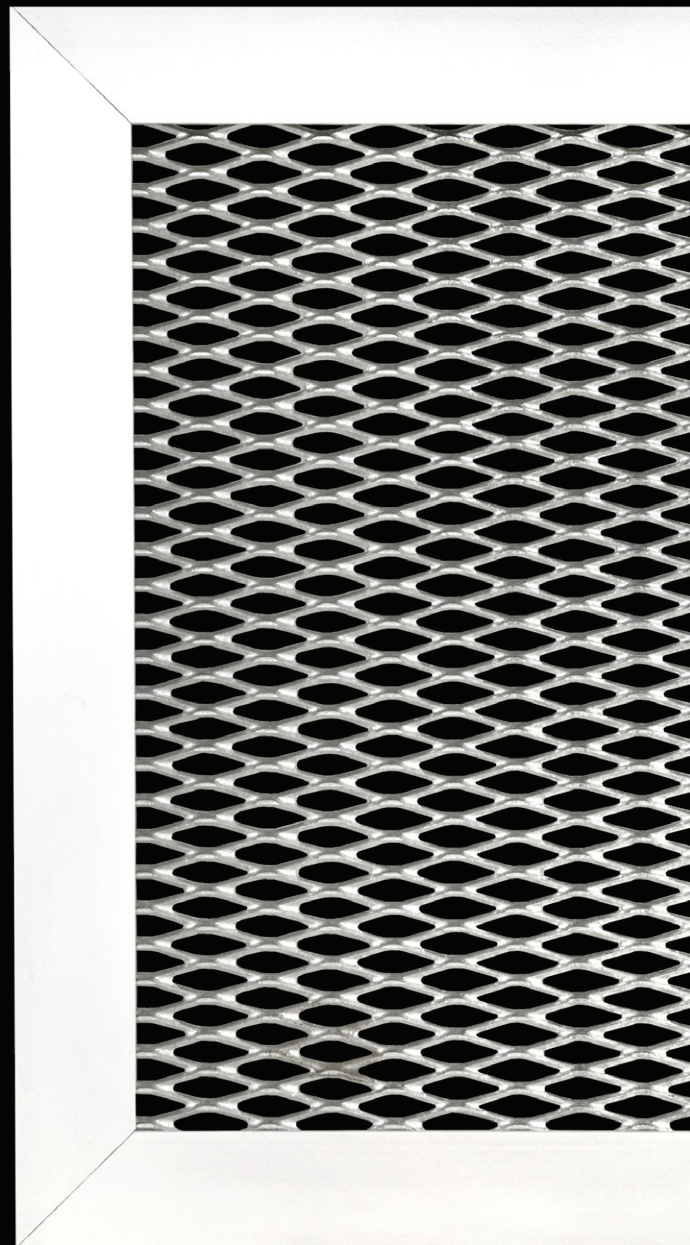
making it happen sooner...



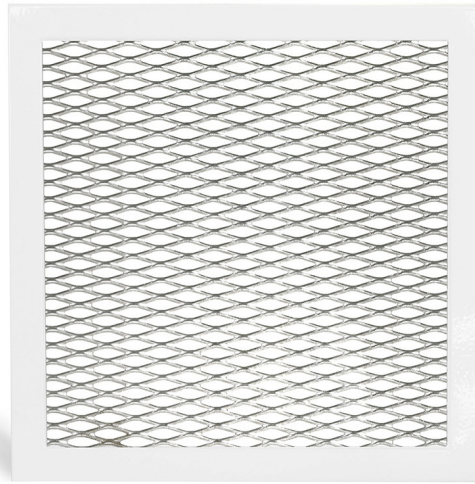
**AUSTRALIAN MADE
AND OWNED**



Quality
Endorsed
Company
ISO 9001
 SAI GLOBAL



**EXPANDED MESH GRILLE
EMG**



EXPANDED MESH GRILLE EMG

PRODUCT DESCRIPTION AND APPLICATION

Airfoil's Australian Made Expanded Mesh Grille (EMG) is crafted from 1mm thick mild steel and features a 19mm x 7mm diamond mesh pattern centered within the high-grade aluminum extrusion face. With a free area ranging from 60-73%, the EMG ensures optimal airflow with minimal sound levels.

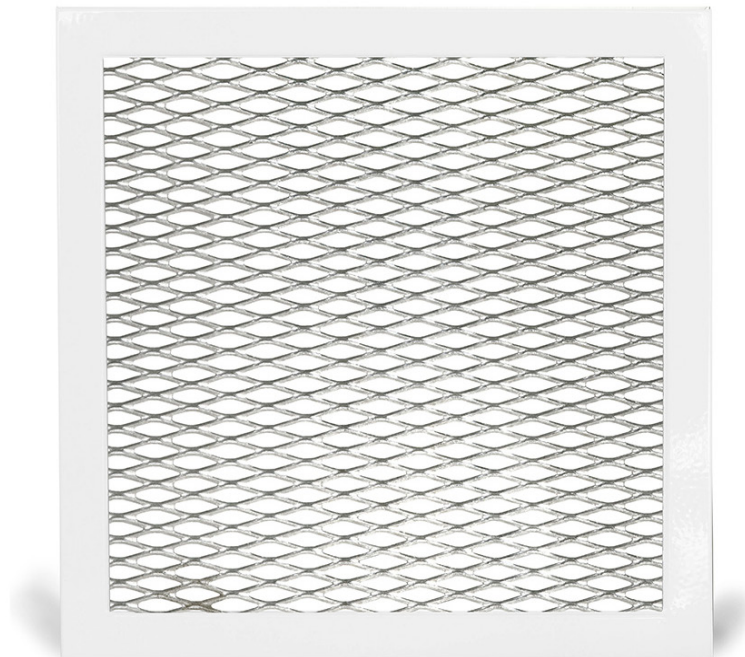
Typically installed on walls or ceilings in secure areas like car parks, the Expanded Mesh Grille is highly effective for both return and exhaust air applications. It can also be equipped with Airfoil's optional Opposed Blade Damper (OBD) for precise air balancing.

Available in our Natural Anodised finish or custom powder-coated to any desired colour, the EMG can be tailored to fit any size requirement. Suitable for commercial settings where the consistent transfer of return or exhaust air is essential.

EXPANDED MESH GRILLE EMG

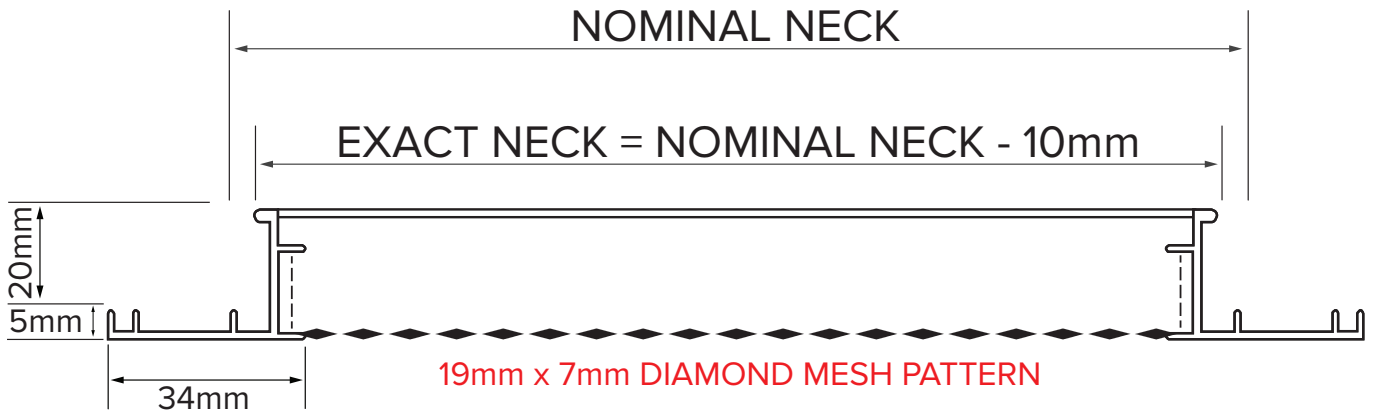
PRODUCT SPECIFICATIONS AND INFORMATION

- **Product ordering code – EMG**
- Australian Made
- Aluminium and Steel Construction
- 34mm aluminium frame
- 25mm overall deep frame
- 60-73% free area
- Offers a fixed diamond mesh pattern
- 19mm x 7mm diamond mesh pattern
- Comes with optional Opposed Blade Damper (OBD)
- Manufactured to any size
- Comes standard in our Natural Anodised finish
- Special powder coating colours available upon request
- Effective for use in return or exhaust air applications
- Suitable for any commercial security area applications
- Airfoil tested information available
- **The following metric performance data has been derived from exhaustive testing in elaborate laboratories of acoustic and vibrational engineers Louis A. Challis and Associates Proprietary Limited. Darling Street, Sydney 2000**



EXPANDED MESH GRILLE EMG

CROSS SECTIONAL DIAGRAM



DISCLAIMER:

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EXPANDED MESH GRILLE EMG

PERFORMANCE DATA

Square Grille Neck Size (mm x mm)	Sound Level LP (dB(A))				
	25	30	35	40	45
	Static Pressure (Pa) Approximate Airflow (L/s)				
150 x 150	8.8	13	21	34	54
	51	63	81	102	120
200 x 200	6.8	10.5	17	27	42
	83	105	130	150	205
250 x 250	5.4	8.9	13	21	34
	115	140	190	230	305
300 x 300	4.8	7.5	11	19	30
	160	205	250	320	410
350 x 350	4.1	6.5	10.5	19	30
	210	270	320	420	535
450 x 450	3.3	5.3	8.4	13	21
	315	410	510	640	820
500 x 500	3.5	5	7.9	12	20
	390	500	610	790	1000
600 x 600	2.7	4.1	6.7	10.2	17
	535	680	840	1050	1300