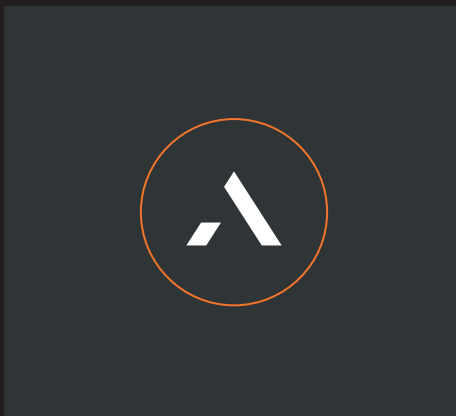


MAPLE

CONTOUR[®] ACOUSTIC

Noise-reduction louvres



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ADVANCED ACOUSTIC PERFORMANCE

Acoustic louvres are designed to allow airflow while reducing noise transmission, making them ideal in environments where ventilation must be maintained without compromising acoustic performance.

They work by redirecting the pathway between the noise source and the receiver. Instead of sound waves travelling freely, the angled blades force them to reflect and scatter, reducing the intensity of transmitted sound.

Contour® Acoustic louvres are fully tested for acoustic and ventilation performance. Linear and continuous designs are available as single panels, large assemblies or integrated doors. To achieve a balance between aesthetics and performance, architects can specify single or double-banked curved blades as an alternative option.



CURVED BLADE OPTIONS

These systems offer style and performance, and are available in a sleek, curved blade configuration.



SPECIFICATION

	MF-2R	MF-2R LP	MF-R	MF-RLP
Blade pitch	305mm	355mm	305mm	355mm
Blade size	180mm	180mm	180mm	180mm
Material	Aluminium or pre-galvanised steel.			
Finish	Polyester powder-coated (60µm). Available in RAL/BS standard colours.			
Weight	60kg/m²	56kg/m²	30kg/m²	28kg/m²
Visual free area	Not applicable			
Nominal free area (typical)	23%	32%	23%	32%
	Varies with size. Please contact head office for specific sizes.			

ACOUSTIC AND AIRFLOW PERFORMANCE DATA

Sound Reduction Indices (SRI) obtained from testing at Salford University to BS EN ISO 10140-2: 2010

MF-2R (Double bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	6	11	14	19	24	26	23	22	23
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	5	11	20	32	47	65	87	112	140

MF-2R LP (Double bank)

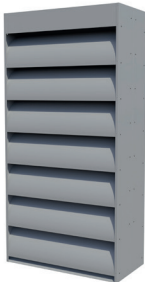
Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	5	8	12	16	22	18	15	14	19
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	2	5	9	15	22	30	40	51	64

MF-R (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	6	6	10	11	14	14	13	10	13
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	3	6	10	16	23	32	42	53	65

MF-RLP (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	4	5	8	9	12	9	7	6	11
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	2	4	7	10	15	20	27	34	42



CONTINUOUS BLADE OPTIONS

For a more traditional aesthetic, Contour® Acoustic offers a continuous line design with mitred corners, achieving the appearance of a weather louvre.



SPECIFICATION

	MF-2L100SP	MF-2L150HP	MF-2L150SP	MF-2L300SP	MF-L300EP	MF-L300SP
Blade pitch	200mm	305mm	200mm	200mm	160mm	200mm
Blade size	100mm	205mm	100mm	100mm	100mm	100mm
Material	Aluminium or pre-galvanised steel.					
Finish	Polyester powder-coated (60µm). Available in RAL/BS standard colours.					
Weight	42kg/m²	46kg/m²	48kg/m²	82kg/m²	47kg/m²	41kg/m²
Visual free area	50%	32%	50%	50%	38%	50%
Nominal free area (typical)	34%	23%	34%	34%	26%	34%
	Varies with size. Please contact head office for specific sizes.					

ACOUSTIC AND AIRFLOW PERFORMANCE DATA

Sound Reduction Indices (SRI) obtained from testing at Salford University to BS EN ISO 10140-2: 2010

MF-2L100SP (Double bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	5	5	6	10	13	20	18	21	13
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	6	13	22	35	51	69	90	114	141

MF-2L150HP (Double bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	7	7	13	15	22	29	26	27	21
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	17	39	70	110	159	/	/	/	/

MF-2L150SP (Double bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	5	6	8	12	19	22	20	21	16
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	6	13	22	35	51	69	90	114	141

MF-2L300SP (Double bank)

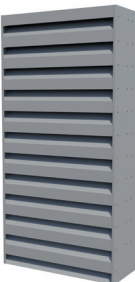
Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	7	9	12	23	33	41	32	28	25
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	6	13	23	35	51	69	90	115	141

MF-L300EP (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	7	7	10	15	28	30	26	21	20
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	7	16	28	44	64	87	114	141	178

MF-L300 SP (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	6	7	9	12	19	22	17	15	18
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	3	7	12	18	26	35	46	58	71



LINEAR BLADE OPTIONS

Classic trapezoidal design complemented by a linear blade finish.



SPECIFICATION

	MF-L100SP	MF-L150EP	MF-L150HP	MF-L150SP	MF-L300EP	MF-L300SP
Blade pitch	200mm	160mm	305mm	200mm	160mm	200mm
Blade size	100mm	100mm	205mm	100mm	100mm	100mm
Material	Aluminium or pre-galvanised steel.					
Finish	Polyester powder-coated (60µm). Available in RAL/BS standard colours.					
Weight	21kg/m²	23kg/m²	23kg/m²	24kg/m²	47kg/m²	41kg/m²
Visual free area	50%	32%	32%	50%	38%	50%
Nominal free area (typical)	34%	26%	23%	34%	26%	34%
	Varies with size. Please contact head office for specific sizes.					

ACOUSTIC AND AIRFLOW PERFORMANCE DATA

Sound Reduction Indices (SRI) obtained from testing at Salford University to BS EN ISO 10140-2: 2010

MF-L100SP (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	4	4	5	6	9	12	12	11	8
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	3	7	12	19	27	36	48	60	74

MF-L150EP (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	5	5	7	9	13	13	13	13	12
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	6	14	24	38	54	74	96	122	150

MF-L150HP (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	6	6	8	10	14	18	15	15	14
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	9	21	37	58	84	114	150	190	235

MF-L150SP (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	4	4	6	8	11	13	12	12	10
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	3	7	12	19	27	36	48	60	74

MF-L300EP (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	7	7	10	15	28	30	26	21	20
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	7	16	28	44	64	87	114	141	178

MF-L300SP (Single bank)

Frequency (Hz)	63	125	250	500	1k	2k	4k	8k	Rw
SRI (dB)	6	7	9	12	19	22	17	15	18
Face velocity (m/s)	0.5	0.75	1	1.25	1.5	1.75	2.0	2.25	2.5
Pressure drop (Pa)	3	7	12	18	26	35	46	58	71



WHY MAPLE?

PASSION

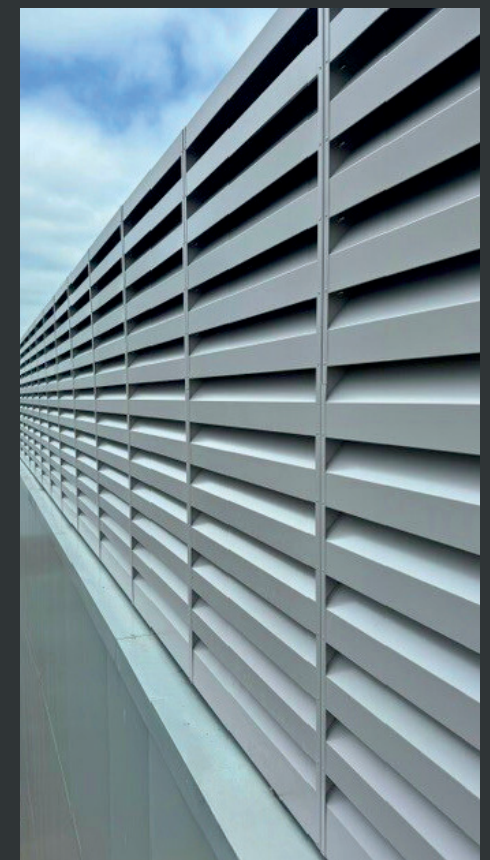
We care about your project as much as you do and will never leave a project until it is completed. We thrive on all customer feedback and are continuously striving for better solutions.



SUCCESS

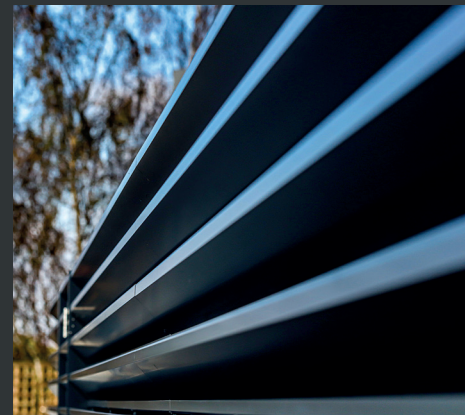
We ensure that your project's design intent is protected through early collaboration and our Proven Process helps to keep your project on track.

Maple are experts in aluminium louvre projects and have been helping contractors, architects and client organisations across the UK deliver challenging projects for the last four decades. We thrive on bringing visions to reality through a combination of design logic, technical know-how and thoughtful planning with superior products and exceptional service.

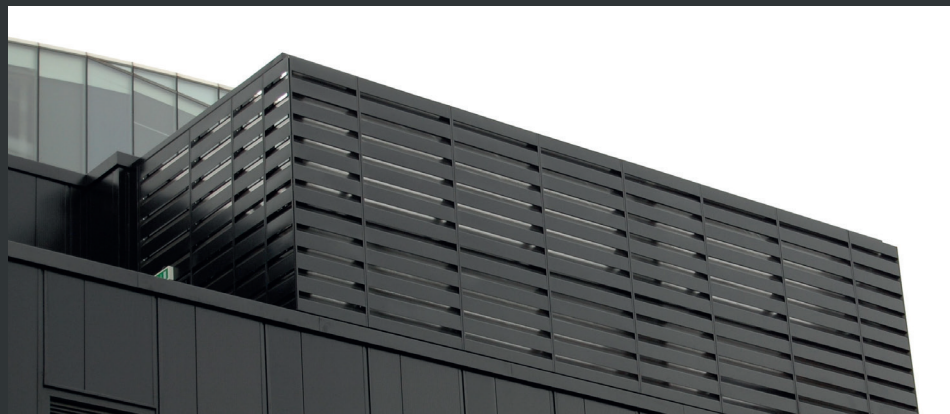


EXPERTISE

We're experts in the end-to-end process of an aluminium louvre project from concept to completion.



THE
MAPLE
WAY®
**PROVEN
PROCESS**



PROVEN PROCESS

Maple's Proven Process describes the 24 critical stages and in-depth methodology that support the five main building blocks of every successful project, and provide tangible benefits for clients – from inception to completion.



MAPLE

Maple is a leading designer, manufacturer and installer of rainscreen cladding, solar shading, weather protection and screening for building exteriors and interiors. Since 1983, we've been combining innovation, technical excellence and exceptional customer service to deliver projects that save energy, create visual impact and make buildings more comfortable for their occupants.



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