

Duco **Acoustic Panel**

Acoustic modules tailored to each project



Purge ventilation

Low resistance factor,
high flow rates



Customised module

Dimensions, finish and mounting
can be adapted to suit the project



Acoustic comfort

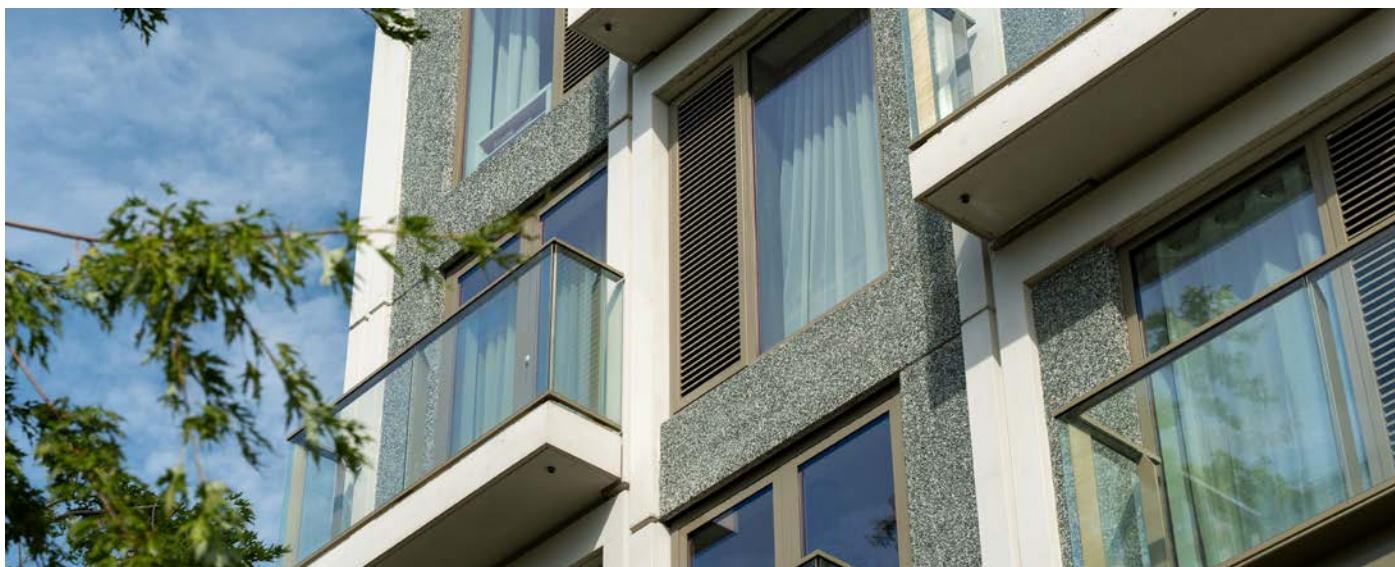
Maximum attenuation
up to 21 dB

DUCO



Discover
all benefits





Duco Acoustic Panel 150

Duco Acoustic Panel 150 has been upgraded, resulting in even better ventilation values. The louvre blades of this grille are arranged in a single row and, with a **sound reduction index of up to 11 dB**, are ideal for projects with a **low noise levels**.



Suitable for low noise levels

VENTILATION VALUES

Property		STND	+OPT
Visual free area		71 %	71 %
Physical free area		31 %	31 %
Ce (higher is better)		0,304	0,280
Cd (higher is better)		0,297	0,282
K FACTOR (lower is better)	INTAKE	10,82	12,76
	EXHAUST	11,34	12,57

UPGRADE

Duco Acoustic Panel 250

Duco Acoustic Panel 250 is a new variant that sits between the Acoustic Panel 150 and the Acoustic Panel 300. The louvre blades of this grille are arranged in a single row and, with a **sound reduction index of up to 14 dB**, are ideal for projects with **light to moderate noise levels**.



Suitable for moderate noise levels

VENTILATION VALUES

Property		STND	+OPT
Visual free area		75 %	75 %
Physical free area		31 %	31 %
Ce (higher is better)		0,278	0,250
Cd (higher is better)		0,275	0,240
K FACTOR (lower is better)	INTAKE	12,94	16,00
	EXHAUST	13,22	17,36

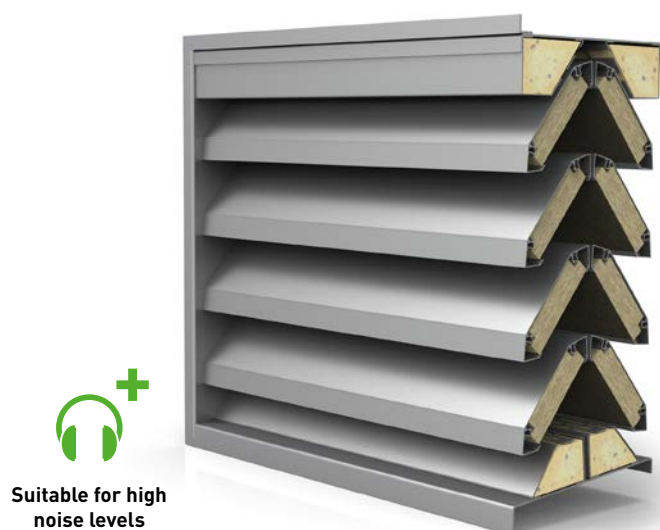
NEW



Duco Acoustic Panel 300(HP)

Duco Acoustic Panel 300 has been upgraded, resulting in even better ventilation values. The louvre blades of this grille are arranged in a double row and, with a **sound reduction index of up to 14 dB**, are ideal for projects with **high noise levels**.

The new Duco Acoustic Panel 300HP variant offers even better ventilation values, while maintaining **attenuation of up to 17 dB**.



UPGRADE

NEW

VENTILATION VALUES

Property		300		300HP	
		STND	+OPT	STND	+OPT
Visual free area		71 %	71 %	71 %	71 %
Physical free area		31 %	31 %	31 %	31 %
Ce (higher is better)		0,236	0,226	0,250	0,241
Cd (higher is better)		0,231	0,222	0,244	0,235
K FACTOR (lower is better)	INTAKE	17,95	19,58	16,00	17,22
	EXHAUST	18,74	20,29	16,80	18,11

Duco Acoustic Panel 500HP

Duco Acoustic Panel 500HP is a new variant with an even higher attenuation value. To achieve the best results, this is always supplied as an HP variant as a standard. The louvre blades of this grille are arranged in a double row and, with a **sound reduction index of up to 21 dB**, are ideal for projects with **high noise levels**.

attenuation
value
21 dB



Suitable for high noise levels



VENTILATION VALUES

Property		STND	+OPT
Visual free area		75 %	75 %
Physical free area		31 %	31 %
Ce (higher is better)		0,256	0,244
Cd (higher is better)		0,248	0,237
K FACTOR (lower is better)	INTAKE	15,26	16,80
	EXHAUST	16,26	17,80

NEW

Duco Acoustic Panel

Module for **all noise levels**

Duco Acoustic Panel is a sound-absorbing module, manufactured from aluminium extrusion profiles. The louvre blades are fitted with sound-absorbing, non-combustible mineral wool and offer an **excellent sound reduction index**. The grille is available in different versions, for low to high noise levels. All modules are custom-made and can therefore be adapted to suit any project. In addition, all finishing options are possible (SAA, RAL colours, textured paint, special colours ...). Duco Acoustic Panels can be made insect-proof with an optional mesh frame. Depending on the installation method, Duco Acoustic Panels can also be used as impact and fall-through protection.

→ Ventilation values

Property	Unit	150		250		300		300HP		500HP	
		STND	+OPT	STND	+OPT	STND	+OPT	STND	+OPT	STND	+OPT
Visual free area	%	71	71	75	75	71	71	71	71	75	75
Physical free area	%	31	31	31	31	31	31	31	31	31	31
K factor, intake (lower is better)		10,82	12,76	12,94	16,00	17,95	19,58	16,00	17,22	15,26	16,80
K factor, exhaust (lower is better)		11,34	12,57	13,22	17,36	18,74	20,29	16,80	18,11	16,26	17,80
Ce (higher is better)		0,304	0,280	0,278	0,250	0,236	0,226	0,250	0,241	0,256	0,244
CD (higher is better)		0,297	0,282	0,275	0,240	0,231	0,222	0,244	0,235	0,248	0,237

→ Water resistance (with insect screen)

Property	Unit	150		250		300		300HP		500HP	
		STND	+OPT	STND	+OPT	STND	+OPT	STND	+OPT	STND	+OPT
Water resistance at v = 0 m/s	class	C	C	C	B	C	C	C	C	C	C
Water resistance at v = 0.5 m/s	class	D	D	D	C	D	D	C	C	C	D
Water resistance at v = 1.0 m/s	class	D	D	D	D	D	D	D	D	D	D
Water resistance at v = 1.5 m/s	class	D	D	D	D	D	D	D	D	D	D
Water resistance at v = 2.0 m/s	class	D	D	D	D	D	D	D	D	D	D
Water resistance at v = 2.5 m/s	class	D	D	D	D	D	D	D	D	D	D

→ Sound reduction

Property	Unit	150		250		300		300HP		500HP	
		STND	+OPT	STND	+OPT	STND	+OPT	STND	+OPT	STND	+OPT
Rw	dB	11		14		17		17		21	
C		-1		-1		-1		-1		-2	
C _{tr}		-2		-2		-4		-4		-5	
Octave band values	at 125 Hz	5,3		6,1		6,3		4,7		6,7	
	at 250 Hz	6,0		6,2		5,9		5,7		8,7	
	at 500 Hz	6,2		12,2		11,6		11,4		18,5	
	at 1000 Hz	11,3		13,7		20,1		21,9		21,6	
	at 2000 Hz	13,3		15,2		22,7		22,7		26,7	
	at 4000 Hz	11,3		13,8		21,5		21,5		27,9	

→ Frame types and dimensions

Property	Unit	150	250	300	300HP	500HP
Louvre pitch	mm	130	150	130	130	150
Installation depth	mm	158	250	303	303	467
Frame rebate	mm	37	37	37	37	37

→ Impact and fall-through protection*

Property	Unit	150	250	300	300HP	500HP
Impact resistance	EN 13049	5	5	5	5	5
	NF P-08-302	Q4	Q4	Q4	Q4	Q4
Fall-through protection	B03-004	C5b	C5b	C5b	C5b	C5b
	NEN EN 1991-1-1	A/B/F/G	A/B/F/G	A/B/F/G	A/B/F/G	A/B/F/G
	NF P01-013	C5	C1-C5/D	C1-C5/D	C1-C5/D	C1-C5/D
	BS 6180	XI	XI	XI	XI	XI

* Depending on fastening and dimensions.

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