Sonic Curtain

Specification Data

Sonic Curtain Soundproof curtains and screens provide maximum noise reduction and soundproofing by combining sound barrier and noise absorption products into the one flexible soundproof curtain panel.
Flexshield Noise control curtains are often described as Sound Curtains, Noise Curtains, Sound Blankets, Noise Blankets or Acoustic Barriers.

Use **Sonic Curtains** to;

- Create safe and enjoyable working conditions
- Comply to Government regulation
- Improve concentration at work
- Increase quality of work
- Hear warning signal or sirens
- Increase efficiency and profits
- Reduce and control the spread of dust and fumes

FEATURES

More versatile and economical than rigid enclosures
These durable soundproof curtains can be installed indoors and outdoors.

- Weather and UV resistant
- Accommodate access, ventilation and maintenance requirements while retaining high noise control.
- Install around industrial machines and equipment.
- Clean easily and effortlessly.
- Easily incorporate vision panels, Access doors and other penetrations.

Having the right acoustic curtain assists manufactures and operators of noisy equipment to come under the governments regulated decibel time exposure allowance (85dBA/8hr), avoiding prosecution, litigation claims and employee harm and discomfort.

APPLICATIONS

Some typical applications include noise control enclosures around;

- Punch Presses
- Compressors
- Pumps
- Blowers
- Granulators
- Generators
- Saws
- Fans
- Construction Works
- Refurbishments on occupied buildings
- Any industrial machine or plant equipment

Soundproof curtains are also use to reduce environmental noise issues such as Earth and Road Works, Offices, Air conditioners, Rooftop Plant Equipment and Sports Halls

ACOUSTIC PERFORMANCE

Sonic Curtain 4kg – Rw 27

HZ	Sound Transmission Loss : R dB	95% Confidence levels, dB.
50	6.0	4.1
63	11.7	2.8
80	15.1	5.4
100	13.3	3.2
125	15.2	2.0
160	14.4	2.0
200	16.1	1.4
250	17.4	0.7
315	17.7	1.2
400	19.9	0.9
500	21.3	0.9
630	23.3	0.9
800	25.9	0.6
1000	28.6	0.4
1250	31.0	0.5
1600	33.4	0.7
2000	35.7	0.7
2500	38.1	0.7
3150	40.4	0.8
4000	42.5	0.6
5000	44.3	0.7

Sonic Curtain 6kg – Rw 30

Hz	Sound Transmission Loss : R dB	95% Confidence levels, dB.
50	9.0	5.4
63	14.5	3.1
80	17.0	5.1
100	14.0	3.0
125	17.3	2.0
160	17.1	2.1
200	17.8	1.7
250	21.1	1.0
315	21.8	1.2
400	23.4	0.7
500	24.9	0.7
630	26.9	0.6
800	29.5	0.5
1000	32.0	0.5
1250	34.3	0.4
1600	36.9	0.4
2000	39.5	0.7
2500	41.0	0.4
3150	43.4	0.5
4000	45.4	0.6
5000	47.5	0.7

Sonic Curtain Sound Absorption Coefficients

100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000
0.29	0.26	0.29	0.33	0.49	0.64	0.74	0.79	0.80	0.85	0.85	0.86	0.89	0.85	0.87	0.86	0.90	0.93

FLAMABILITY PROPERTIES

Material	Test Method	Index	Results	Description
Outer Material	FMVSS-302	Burn Rate – mm/min	Self-Extinguishing	Automotive burn rate
Outer Material	UL94	After flame time <2sec	HBF	Horizontal burn test. Complies
Inner Material	NCC C1.10-4	20mins – 100kw Fire	No flash point reached	Highest possible achievement

VOC STATEMENT

"**Sonic Curtain** does not contain any Volatile Organic Compounds (VOC's) as applied under the Australian National Pollutant Inventory"

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