NOISESTOP®

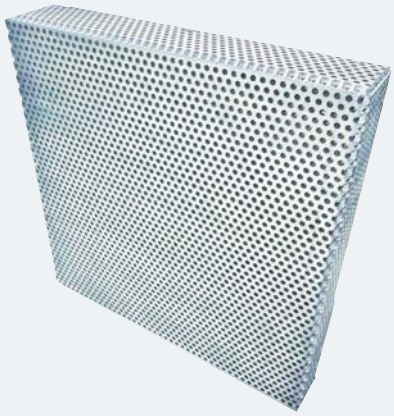
Acoustic Panel & Lining System

Introduction

NOISESTOP PAC Acoustic Panel have been specifically designed to meet increasing requirement to shield personnel from high noise level emitted from certain plant and machinery. The NOISESTOP PAC panel systems provide average atteuations across the audible frequency spectrum of 45dB and will attenuate most noise emissions to below the presently recommended safe working levels.

NOISESTOP PAC Acoustic Panel have a plain exterior surface and a perforated inner surface with an acoustically absorbent media being contained between the skins.

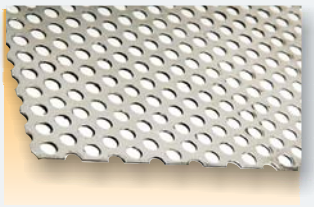
Typical applications are the enclosure of Turbo-generators, Turbo-compressors, Diesel driven generators, pumps, fans and mechanical presses.



Product Features

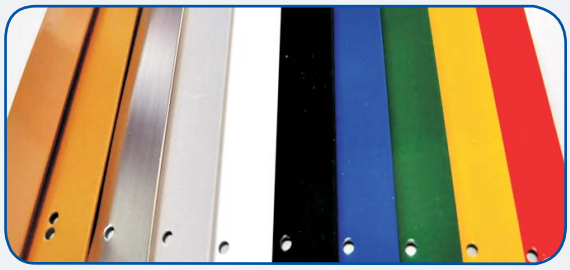
1. High sound absorption;
2. Complete with doors and window available;
3. Customized dimensions;
4. Various choice of finishes and colors;
5. Water proof cover available.

Product Options



Round Hole

Slotted Hole



Various Finish - Wet Painting / Powder Coating / PVDF

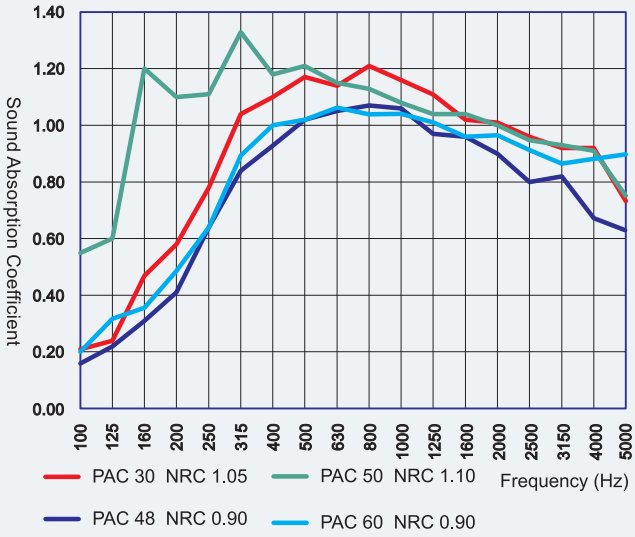
Product Specification

Model	Thickness	Size
PAC 30	50mm	2400×1200mm
PAC 48	110mm	2400×1200mm
PAC 50	120mm	2000×500mm
PAC 60	150mm	2000×500mm

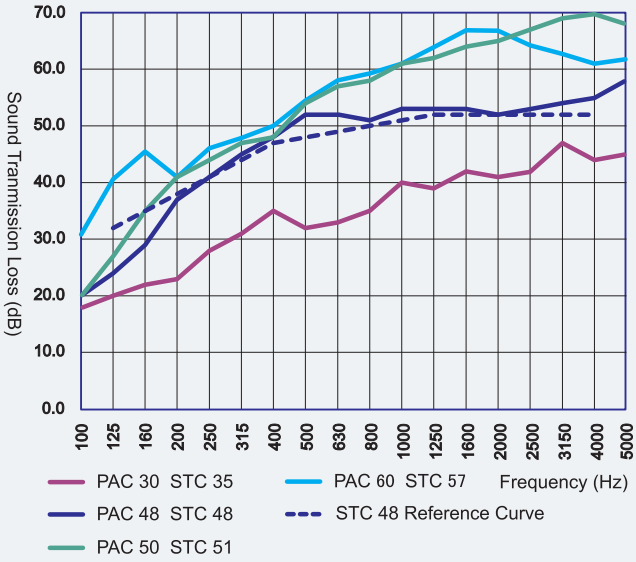
Acoustics Performance

Testing in accordance with ASTM C423-09a Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.

Sound Absorption Coefficient vs Frequency



Sound Tranmission Loss vs Frequency



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Acoustic Performance

PAC Sound Absorption Coefficient

1/3 Octave Band and 1/1 Octave Band Sound Absorption Coefficient																			
Item \ Hz	100	**125**	160	200	**250**	315	400	**500**	630	800	**1000**	1250	1600	**2000**	2500	3150	**4000**	5000	**NRC**
PAC 30	0.10	0.18	0.38	0.54	0.76	0.98	1.08	1.19	1.19	1.20	1.14	1.12	1.08	1.03	1.02	1.06	1.02	0.98	**1.05**
		0.20			**0.80**			**1.15**			**1.15**			**1.00**			**1.00**		
PAC 48	0.07	0.17	0.39	0.49	0.75	0.97	1.03	1.12	1.10	1.19	1.16	1.06	1.03	1.02	0.95	0.99	1.01	0.97	**1.00**
		0.20			**0.75**			**1.10**			**1.15**			**1.00**			**1.00**		
PAC 50	0.21	0.24	0.51	0.58	0.78	1.04	1.10	1.17	1.14	1.21	1.16	1.11	1.02	1.01	0.96	0.92	0.92	0.83	**1.05**
		0.30			**0.80**			**1.15**			**1.15**			**1.00**			**0.90**		
PAC 60	0.21	0.33	0.36	0.47	0.64	0.89	1.00	1.02	1.05	1.03	1.04	1.01	0.96	0.97	0.90	0.87	0.89	0.90	**0.90**
		0.30			**0.65**			**1.00**			**1.00**			**0.95**			**0.90**		

PAC Sound Tranmission Loss

1/3 Octave Band and 1/1 Octave Band Sound Transmission Loss																			
Item \ Hz	100	**125**	160	200	**250**	315	400	**500**	630	800	**1000**	1250	1600	**2000**	2500	3150	**4000**	5000	**STC**
PAC 30	18	20	22	23	28	31	35	32	33	35	40	39	42	41	42	47	44	45	**35**
		20			**28**			**32**			**40**			**41**			**44**		
PAC 48	20	24	29	37	41	45	48	52	52	51	53	53	53	52	53	54	55	58	**48**
		23			**40**			**50**			**52**			**53**			**55**		
PAC 50	22	27	35	41	44	47	48	54	57	58	61	62	64	65	67	69	70	68	**51**
		25			**43**			**51**			**60**			**65**			**69**		
PAC 60	31	41	45	41	46	48	50	54	58	59	61	64	67	67	65	64	61	62	**57**
		35			**44**			**53**			**61**			**66**			**62**		

Outdoor Noise Barrier Application

Lei Tung Estate - MTRC Project

Indoor Acoustics Enclosure Application

Bar at Sheraton Shenzhen