

IAC Acoustical Enclosures

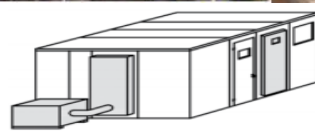
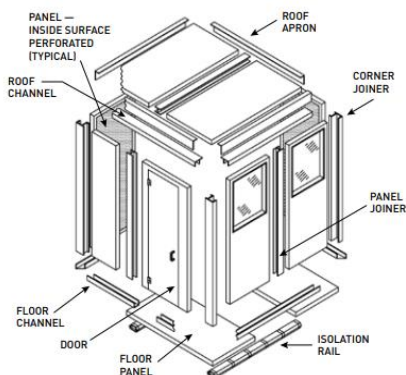
Installation Information & Sequence:

- ✓ Two technicians can handle Moduline components
- ✓ Doors installed just like other panel components, with leaves shipped pre-assembled in a frame
- ✓ Place floor channels in lengths needed for room perimeter & anchor to floor
- ✓ Starting at a corner, install panels & joiners to make up walls
- ✓ Install roof angles, place ceiling panels & joiners, and finish off with external roof apron
- ✓ Install accessory items, including forced ventilation system and electrical work
- ✓ Use easy to follow, detailed & illustrated installation

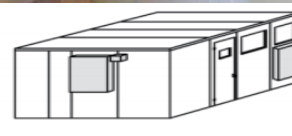
IAC Acoustics Moduline acoustic enclosures protect workers and the community from noise generated by manufacturing and power generating machinery. In industrial settings, noise from this equipment frequently exceeds OSHA limits for hearing safety while also impeding communication. Without noise control remediation, local noise ordinances at plant property lines may be exceeded. IAC Acoustics' line of acoustic enclosures are an effective and efficient way to address these problems. IAC Acoustics offers standard packages for lighting, electrical and mechanical system components as well as the ability to fully customize the enclosure for unique customer requirements. When desired, electrical services can be integrated into the construction of the panel at the plant for a superior aesthetic and an unobstructed interior. When you choose a Moduline Acoustic Enclosure, you can count on IAC Acoustics as the single point of responsibility for all the different components that affect the acoustic performance of the enclosure, including wall and roof panels, doors, windows and ventilation systems. IAC Acoustics professionals will work with you to identify and design the right solution to effectively mitigate your noise problem. We guarantee the performance of our products and continue to support our customers long after the job is complete. IAC Acoustics Moduline Enclosures Offer: Integration of lighting, ventilation, fire fighting systems, air-conditioning, etc., available sound and vibration isolating floor systems, designs for interior and exterior installation sites, available Noise-Lock® sound control door & window systems, and installation services that can be included in IAC Acoustics' scope of supply.

Moduline Construction Type	Sound Transmission Loss, dB, by Octave Band Center Frequency, and Sound Transmission Class, STC, Rating									
	63	125	250	500	1k	2k	4k	8k	STC	WT _{150/ft²}
Noishield Regular	20	21	27	38	48	58	67	66	40	8
Noishield Septum	21	19	23	35	50	60	68	72	37	9
Mill Duty Regular	28	27	28	41	50	57	57	64	43	10.5
Noise-Lock I	25	27	31	41	51	60	65	66	44	10
Noise-Lock II & Fire-Noise-Lock	27	30	32	41	50	59	67	71	45	11
Super-Noise-Lock	31	34	35	44	54	63	62	68	48	15
Noishield Hard	22	33	45	52	58	68	75	65	56	9.5
Noise-Lock III	20	36	51	68	75	83	84	73	59	11
Noise-Lock II Hard	24	40	50	57	65	73	80	78	61	12
Noise-Lock IV Hard	21	30	50	60	73	79	80	71	62	11.3
Gemini Regular	34	48	58	69	75	82	86	76	70	21

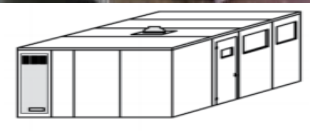
Panel Construction Type	Sound Absorption Coefficients at Octave Band Center Frequency, and Noise Reduction Coefficient, NRC							
	125	250	500	1k	2k	4k	8k	NRC
Noishield Regular	0.89	1.20	1.16	1.09	1.01	1.03	0.93	(1.10)/0.95
Noishield Septum	0.50	0.68	1.03	1.05	1.00	0.99	—	(1.10)/0.95
Noise-Lock I, II, Fire-Noise-Lock & Super-Noise-Lock	0.94	1.19	1.11	1.06	1.03	1.03	1.04	(1.10)/0.95
Noishield Regular with fill protection & spacer	0.56	0.99	1.09	0.97	0.95	0.90	—	(1.10)/0.95
Noise-Lock III	0.49	0.37	0.83	0.96	0.99	1.00	—	0.80
Noise-Foil I & II (2" - 51 mm thick)	0.35	0.65	1.20	1.21	1.07	0.92	—	0.95
Noise-Foil I & II (4" - 102 mm thick)	0.97	1.39	1.34	1.29	1.19	1.01	—	1.30
Noise-Foil V	0.24	0.95	1.13	0.99	0.94	0.86	—	1.00



Test Environments



Machinery Enclosures



Personnel Structures