

INDUSTRIAL



QUIETMOD™ MODULAR SOLUTIONS



NOISE BARRIERS



QuietMod™

THERMAL SPRAY ROOMS



Noise Barriers Thermal Spray Rooms are pre-engineered modular systems for building a sound controlled, high performance arc spray, flame spray, plasma spray, or HVOF spray room.

Keep your employees and visitors safe from the harmful effects of noise and dust generated by the thermal spray processes. HVOF, plasma arc, twin wire arc, combustion flame spray, HVOF, and cold spray! Noise Barriers custom engineered modular spray booths are easy to assemble, expandable, and moveable.

FEATURES

- Predictable and guaranteed noise reduction
- Single source responsibility for design, supply, and installation
- Easy to assemble, relocate, or reconfigure
- Standard and custom layouts...let our design team help you customize the best layout for your operation
- Subject to accelerated depreciation as equipment

BENEFITS FOR SHOP OPERATIONS

- Cost Efficient
- Aesthetically Pleasing
- FastReplace Windows
- All components made in USA at one site



THERMAL SPRAY ROOMS

ADDITIONAL DETAILS

85 DBA OR LESS GUARANTEED, IF DESIRED

HVOF, HVAF, Plasma, EAS, combustion flame spray, or Cold Spray. Noise Barriers QuietMod spray booths will protect your workers from health threatening noise to meet OSHA standards and impress your customers.

FORMED CORNERS CONSTRUCTION

Our unique Formed Corners construction makes installation a snap and assures an aesthetically pleasing booth which will leave customers with a positive impression of your facility.

POWDER COAT PAINT

Dozens of colors are available. Our booths can be provided in paint ready galvanized steel.

DUST RESISTANT LIGHTING

Lighting to meet thermal spray safety requirements is standard.

SEISMIC RATING

Seismic zone 4 engineering certification available.

THERMAL SPRAY KNOWLEDGE

We understand the unique requirements of the coating industry and have solutions for them. Noise Barriers has provided spray booths for dozens of thermal spray operators in the US, Canada, and Europe.

SILENCED VENTILATION

Intake silencers are constructed of G-90 spangled, galvanized steel for corrosion protection and aesthetics. Intake silencers prevent noise inside the booth from getting out. Inlet air silencers are designed around your booth ventilation airflow. Silencers are sized to keep the airflow from deflecting the spray plume which can cause coating quality problems. Noise Barriers also offers intake silencers for facilities with limited head room.

INSTALLATION AVAILABLE

Installation options include full turnkey, supervised, and phone assistance for the DIY company. No matter your needs or budget, Noise Barriers can help.

QuietMod™

MODULAR PANEL SYSTEMS



MODULAR SOLUTIONS TO NOISE PROBLEMS

- Machinery Enclosures
- Test Cells
- Printing Plant Quiet Rooms
- Barrier Walls
- Quality Control Test Areas
- Thermal Spray Rooms
- Coordinate Measuring Machine Rooms
- Process Enclosures
- Factory Offices
- Control Rooms
- Power Plant Offices
- Guard Houses
- Quiet Rooms-Single or Double Wall
- HVAC Plenums
- Blower Enclosures
- Compressor Enclosures
- Recording Studios
- Broadcasting Facilities
- Educational Study Centers
- Music Practice Rooms
- Voice Isolation Booths
- Audiometric Test Rooms
- Hearing or Speech Test Centers

PRE-ENGINEERED MODULAR SOLUTIONS TO NOISE PROBLEMS

THE QUIETMOD ADVANTAGE

Noise Barriers' QuietMod pre-engineered panel system includes wall and ceiling panels, doors, windows, and silenced ventilation systems. Isolated floors, access panels, and removable wall and ceiling panels are also available when necessary. All materials are acoustically rated by independent testing laboratories to ensure the appropriate noise reduction for every application.

THE NOISE BARRIERS MODULAR SYSTEM:

- Guaranteed acoustical performance (single source responsibility)
- Easy and quick to install, move, or reconfigure
- Standard components, custom solutions
- No construction mess
- Tax benefits

Acoustical Performance Data Sound Transmission Loss Data, dB

Octave Band Center Frequency, Hz	125	250	500	1K	2K	4K	STC
QuietMod Panels							
H/P 38 – 2" Thick	24	25	33	43	50	55	38
H/P 42 – 4" Thick	23	31	40	49	56	62	42
H/P 44 – 4" Thick	27	34	41	46	43	59	44
H/P 50 – 4" Thick	29	37	48	56	57	54	50
H/H 50 – 4" Thick	26	44	50	54	57	64	50
H/H 52 – 4" Thick	37	43	47	53	54	57	52
H/H 54 – 4" Thick	40	46	51	55	58	62	54
H/H 59 – 10" Thick	43	45	56	66	67	77	59

All tests performed by Riverbank Acoustical Laboratories and USG, both independent NVLAP accredited acoustical testing facilities. The test method conforms with ASTM Designations E90-99 or E90-02 and E413-87.

Sound Absorption Coefficients

Octave Band Center Frequency, Hz	125	250	500	1K	2K	4K	NRC	
QuietMod Panels								
H/P 38 – 2" Thick	0.26	0.53	1.00	1.03	0.97	1.02	0.90	
H/P 42 – 4" Thick	0.68	1.06	1.12	1.08	1.03	0.98	0.95	1.05)
H/P 44 – 4" Thick	0.45	0.96	1.15	1.10	1.05	0.97	1.05	

All tests performed by Riverbank Acoustical Laboratories and USG, both independent NVLAP accredited acoustical testing facilities. The test method conforms with the requirements of the ASTM Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Methods: ASTM C423-90a and E795-00.

