

PrivacyShield® Industrial Sound Enclosure



Description

Contain noise generated from in-plant machinery with our PrivacyShield® Industrial Sound Enclosures. These soundproofing enclosures pair our soundproofing curtain panels with durable steel tubing systems to effectively absorb noise energy and sound transmission generated by loud equipment. They offer high STC and NRC acoustical ratings and can be customized to work with many sizes of machinery to address the range of needs each industrial setting demands. Options include interior or exterior grade materials and silicone-facing for high-temperature applications. They can be built as either partial or complete surrounds, can be floor- or ceiling-mounted, or include locking casters for applications that require portability. Other design-to-order offerings include blanket colors, door openings, ventilation, and windows.

Technical Characteristics

Size:	4' x 4' x 8' Floor-mounted 8' x 8' x 8' Floor-mounted 4' x 4' x 4' x 8' Portable 4' x 8' x 4' x 8' Portable Custom Sizes
Thickness:	1" 2"
Material:	ABBC-13 — 1" or 2" thick vinyl-faced quilted fiberglass absorber bonded to a 1 lb. PSF reinforced mass loaded vinyl barrier ABSC-25 — 1" thick vinyl-faced quilted fiberglass absorber on both sides of a 1 lb. PSF mass loaded vinyl noise barrier septum
Options:	Window Rooftop Vent Side Vent Roof and Valance Roof and PSA
Fire Resistance:	Class A per ASTM E84
NRC:	0.70 (Floor-mounted ABBC 1") 0.85 (Floor-mounted ABBC 2") 0.75 (Floor-mounted ABSC 2")

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Features

- Economical alternative to rigid metal enclosures
- Built for durability and extended use in extreme industrial settings
- Rigid roof panels available for maximum noise reduction
- Panels can be cut on-site to work around obstacles
- CAD drawings provided with every order
- Short lead times and expedites available
- Modular system allows units to be joined together for a variety of configurations
- Cost-effective installation
- Panel overlap can be sealed for optimal performance
- Can be used as separator walls and partitions between noise sources

Common Machine Applications

- Generators
- Compressors
- Presses
- Pumps
- Blowers
- Fans
- Granulators
- Presses
- Test Chambers

Sound Absorbing Performance

Product / Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
ABBC / 1"	0.12	0.47	0.85	0.84	0.64	0.62	0.70
ABBC / 2"	0.07	0.27	0.96	1.13	1.08	0.99	0.85
ABSC / 2"	0.45	0.96	0.87	0.66	0.47	0.30	0.75
ABSC / 4"	0.24	0.89	1.09	1.17	1.13	1.07	1.05

Floor-Mounted Enclosure, per ASTM C423

Sound Blocking Performance

Product / Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
ABBC / 1"	11	16	24	30	35	35	27
ABBC / 2"	13	20	29	40	50	55	32
ABSC / 2"	12	16	27	40	44	43	29

Floor-Mounted Enclosure, per ASTM C423

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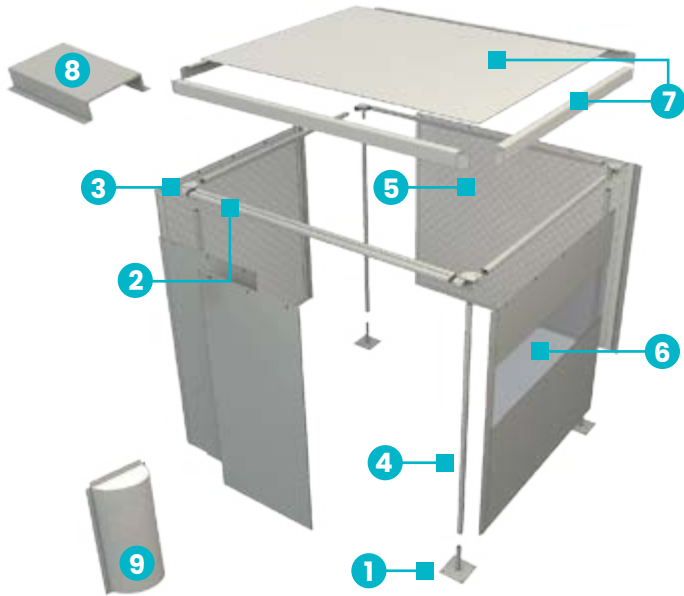
Sound Blocking Performance

Product / Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
ABBC / 1"	11	16	24	30	39	43	27
ABBC / 2"	13	20	29	40	50	40	32
ABSC / 2"	12	16	27	40	44	47	29

Portable Enclosure, per ASTM E90

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Floor-Mounted Enclosure (4-Sided)

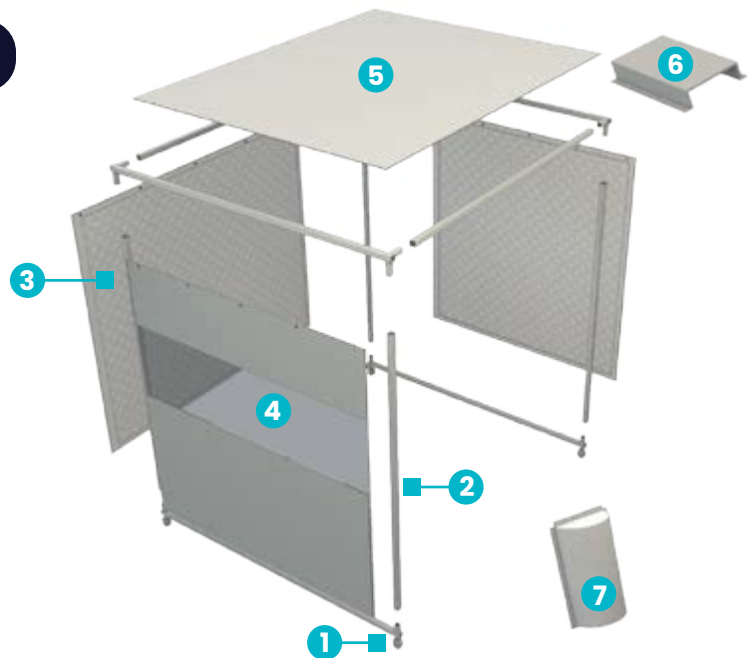
AVAILABLE SIZES | 4' x 4' x 8' high | 8' x 8' x 8' high

- 1 Base Plates
- 2 Double Track for Access
- 3 Corner Connectors
- 4 Columns
- 5 ABBC-13-2 or ABSC-25 Panel
- 6 **Option:** Clear Vinyl Full Width Window (24" High)
- 7 **Option:** Roof with Valance
- 8 **Option:** Roof Top Vent Baffle
- 9 **Option:** Side Vent Baffle

Portable Enclosure (3-Sided)

AVAILABLE SIZES | 4' x 4' x 4' x 8' high | 4' x 8' x 8' x 8' high

- 1 Built-in Locking Casters
- 2 Rugged Tubular Steel Frame
- 3 ABBC-13-2 or ABSC-25 Panel
- 4 **Option:** Clear Vinyl Full Width View Window (24" High)
- 5 **Option:** Roof
- 6 **Option:** Roof Top Vent Baffle
- 7 **Option:** Side Vent Baffle



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