

## Sonex Curtains – Barrier Septum



SONEX Curtains BS combine sound absorption and noise barrier properties into one product. An effective “sandwich” of layers, SONEX Curtain BS consists of quilted vinyl-faced layers of willtec® foam bonded on both sides of noise barrier material producing a curtain that both contains and absorbs noise. They are ideal for areas where noise sources are on both sides of the curtain. SONEX Curtains BS are designed for use as noise barrier walls. They can be custom manufactured to integrate as a complete acoustical enclosure system giving access to machines or work cells. They are available in 25' rolls with finished or unfinished edges. Flexible barrier septum, high Sound Transmission Coefficients (STC), impressive Noise Reduction Coefficients (NRC) and tough, durable, washable facings make SONEX Curtain BS an excellent choice for effective noise control on any size project. SONEX Curtains BS are easy to install. Curtain hardware, hanging mechanisms and configuration options include clear vinyl windows, grommets, hook and loop fasteners, doors and sliding tracks. The standard facing material is a vinyl-coated fabric in grey, white, tan or black.

- ✓ Absorptive layer on both sides
- ✓ Prevents sound transmission
- ✓ Rugged and durable
- ✓ Customizable

### Applications:

- ✓ Use as acoustical divider between two noise sources or separate noisy areas from quieter spaces
- ✓ Keep noise out of offices adjoined to manufacturing areas
- ✓ Separate machine or work stations where both sides need sound absorption and noise containment
- ✓ Isolate and absorb noise around compressors, punch presses, vibratory bowls, granulators, turning machines or other noisy equipment
- ✓ Use as walls of acoustical enclosures or partitions in manufacturing areas
- ✓ Install as a liner for the interiors of pre-existing enclosures to further reduce noise levels
- ✓ Suitable for some outdoor applications

### SONEX Curtain BS Product Specifications

Construction	One layer quilted willtec® acoustical foam bonded to 1 lb./sq. ft. loaded vinyl barrier bonded to one quilted layer of willtec		
Facing Material	Standard: Vinyl-coated fabric (grey, white, tan, black) Optional: Hi-temp silicone-coated fabric, decorative cloth fabric or non-woven porous scrim fabric		
Surface Pattern	Diamond-quilted pattern or straight-stitch pattern		
Density	willtec foam: 0.7 lb./cubic ft.	Barrier: 1lb./sq. ft.	
Flammability	Class 1 per ASTM E84		
Flame Spread	21		
Smoke Density	171		

### Sound Absorption Coefficients

Type G Mounting ASTM C423-90

	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	NRC
BS-1	0.21	0.51	0.74	1.19	0.61	0.31	0.75

### Sound Transmission Data

ASTM E90-75 ASTM E413-73

	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	STC
BS-1	15	19	21	24	42	48	25