

- ✓ Reinforced, non-reinforced and clear
- ✓ Ideal for containing noise and minimizing sound transmission through walls and/or ceilings
- ✓ Hang it like a curtain, weave it inside a wall cavity, or mount it over an existing wall to help contain noise

Applications:

- ✓ Home theaters
- ✓ New construction in apartment/condominium complexes
- ✓ Hotels
- ✓ Convention centers
- ✓ Offices
- ✓ Schools
- ✓ Manufacturing facilities

Prospec Barriers



PROSPEC Barriers are an optimal solution for isolating noisy machinery or improving the transmission loss of substandard walls and ceilings. This one pound per square foot loaded vinyl sheeting is engineered to stop noise transmission. PROSPEC Barrier will not resonate and when properly installed, will provide a high level of sound containment. The reinforced barrier has an interior mesh-like material allowing it to be hung like a curtain around the noise source. Office applications often involve using the barrier as a wall extension from the wall/ceiling junction up through the plenum to the deck. Other applications include installing it as a partition between manufacturing cells or around machines to help prevent the noise from reverberating through adjacent areas.

The non-reinforced barrier is designed to be attached to walls, unrolled on top of suspended ceilings or woven between studs of a staggered-stud wall construction. To properly support the weight of this product when installed vertically, it is recommended to attach the barrier with nails or screws and washers or staples along the top edge and uniformly throughout the height and length of the barrier sheet. Clear barrier is a see-through curtain material engineered to block sound without blocking vision. It is perfect for surrounding equipment and work areas where noise reduction is required and visual observation a must. PROSPEC Clear Barrier is resistant to fading and yellowing, easy to cut and install, and won't shrink after installation.

Physical Data—PROSPEC® Barriers

	Non-reinforced (Black)	Reinforced (Grey)	Clear
Material	1 lb./sq. ft. polyvinyl chloride (PVC) barrier	1 lb./sq. ft. loaded vinyl with polyester scrim reinforcing	1 lb./sq. ft. clear unreinforced barrier sheet
Surface	Smooth	Pebble-textured on one side	Smooth
Color	Black	Grey	Clear
Specific gravity	2.5	1.8 - 2.0	N/A
Flexibility	Limp	Limp	Limp
Tensile Strength	500 psi	200 psi	2400 psi
Tear Strength	—	60 ppi	325 ppi
Die C Tear	ASTM D412 100 lbs.	—	—
Elongation	200%	N/A	370%
Flammability*	Passes MVSS 302 UL-94 HF	UL94V-1	N/A
Operating Temp	-20 to +180 degrees Fahrenheit	-40 to +200 degrees Fahrenheit	0 to 150 degrees Fahrenheit
Thickness	1/8"	1/8"	1/8"
Size	54"x20', 54"x30', 54"x60'	54"x20', 54"x60'	48"x60'

* Check with local building codes.

Sound Transmission Loss

Transmission Loss Data Type	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	STC
Clear	14	19	23	28	33	37	26
Reinforced	13	17	21	28	33	40	26
Non-reinforced	13	17	22	26	32	37	26