

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. When properly installed, PROSPEC Barrier 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.

>> | **Advantages**

- 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

2601 49th Avenue North, Suite 400
Minneapolis, MN 55430
+1 612-355-4200
1-800-662-0032
sales@pinta-acoustic.com
www.pinta-acoustic.com

Materials

- Reinforced barrier has an interior mesh-like material
- Clear, see-through barrier curtain material blocks sound without blocking vision
- Resistant to fading and yellowing

Applications

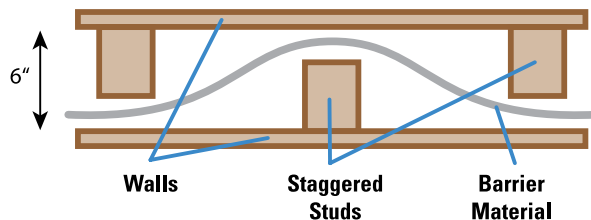
- Virtually any place where you do not want noise, sound and/or conversations to travel into adjacent spaces

Installation: Reinforced and Clear Barriers

- Attach to walls
- Unrolled on top of suspended ceilings
- Weave between studs of a staggered-stud wall construction
- Can be stapled, nailed, screwed, glued or grommeted
- Hang like curtains from ceilings or support frames
- Use screws with washers to attach the top edge or clamp into place with a strip of wood or metal
- Overlap seams between sheets of barrier
- For indoor use only

Installation: Non-reinforced

- Wrap or lay barrier over noisy objects
- Secure with nails or screws with washers or staples
- Attached to an existing wall, apply furring strips intermittently along entire wall surface and attach the barrier to the furring strips
- In new construction, thread barrier through staggered studs as shown in the sketch below
- Glues are not recommended for long-term support



Staggered-stud wall construction.



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 non-reinforced 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°F to 180°F (-29°C to 82°C)	-40°F to 200°F (-40°C to 93°C)	0°F to 150°F (-17°C to 66°C)
Thickness	1/8" (3 mm)	1/8" (3 mm)	1/6" (4 mm)
Size	54" x 20', 30' or 60' (1372 mm x 6.10 m or 18.29 m)	54" x 20' or 60' (1371 mm x 6.10 m or 18.29 m)	48" x 60' (1219 mm x 18.29 m)

*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

>> Other Products

- Direct-Apply Ceiling and Wall Panels
- Suspended Ceiling Clouds and Baffles
- Suspended Grid Lay-in Panels
- Barriers, Foam and Composites

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