

Application Profile: Gymnasiums



Pictured: A high-school gymnasium in San Jose



Improve the Acoustics in your Gymnasium with Lependary Panels and Baffles

This 10,000 sq ft gymnasium in a San Jose area high-school hosts sporting events. Especially at basketball games, it is filled with hundreds of spectators cheering, bands playing, and announcers calling the play by play. The facility is also used for school assemblies, services, and physical education classes. The problem was very reflective surfaces that made speech intelligibility poor and overall noise often at uncomfortable levels.

West General solved this problem by providing 4 ft wide by 18 ft long lapendaries, hung horizontally with slight festoons, above the light fixtures, over 60% of the ceiling. This is complemented by thirty six 4 ft x 8 ft wall baffles, suspended vertically around the perimeter of the room. The thickness of the materials, the facing finish, and the placement are all as specified. The school now has a space that is acoustically pleasing during quieter activities, but still plenty live during basketball games and other sporting events.

Lapendary Technical Data



Geometric Shape:

Rectangular

Size & Thickness:

1," 2," or 4" thick (2' or 4' x custom length)

Core:

.75# - 1.5# fiberglass

Surface Finish:

Polyester scrim VRV, Cypress Fabric perforated with 1/2 mil PVC liner, polyester, nylon sailcloth, 2 mil PVC

Color:

To be selected from manufacturer's standard selection

Edge Shape:

Natural

Edge Construction:

Heat Sealed, Sewn

Acoustical Performance:

.70 to 1.15 N.R.C.

Incombustability:

Class "A" per ASTM E84 25/0/50

Suspension Provision:

Grommets, Washer Plates, Stiffeners, Cables



Acoustical Test Data

Thickness	Density	125	250	500	1000	2000	4000	NRC
1"	1#	.7	.69	.75	1.03	.91	.67	.85
2"	.75#	1.09	.97	.92	1.05	1.00	1.11	1.00
4"	.75#	1.31	1.11	1.14	1.17	1.15	1.19	1.15

