



Range Systems Dura-Panel™ rubber composite products virtually eliminate the hazards of ricochet and splatter, minimize airborne lead contaminants, and offer ballistic capabilities no other material can match. Dura-Panel™ Acoustic Ballistic Rubber provides safer range conditions for personnel and the environment with its ballistic capabilities and noise reduction capability.

Acoustic Dura-Panel™

Acoustic Dura-Panel provides anti-ricochet protection by absorbing and encapsulating bullets and fragments. It's an effective noise control measure for firing ranges plus offers all the ballistic capabilities of Dura-Panel™. Grooves molded into the panel increase the surface area which improves noise reduction by reducing reverberation and absorbing sounds and provides a Noise Reduction Coefficient (NRC) rating of 0.65.

Acoustic Dura-Panels can be applied directly to steel, concrete, or plywood. Each panel will accommodate approximately 2000 rounds before replacement is required, depending on bullet type and distribution of wear.

Physical Properties are Approximate

Dimensions 24"L x 24"W x 2"D

Weight 34 lbs (15.4 kg)

SKU #RP1036

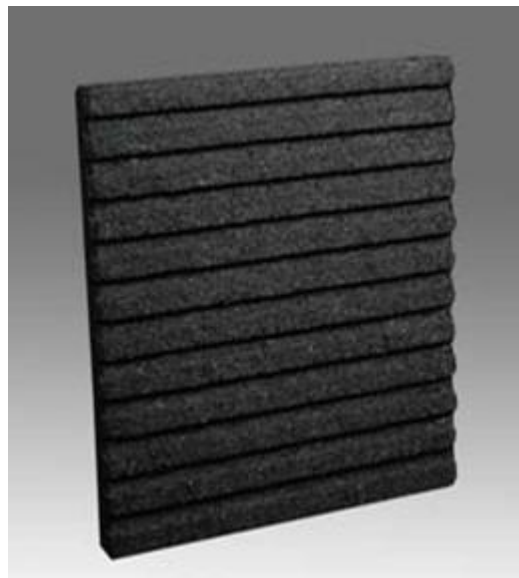
Acoustic Dura-Panel™ Research

Range Systems, in its continued effort to provide the safest shooting range and training environment available, developed Acoustic Dura-Panel to integrate into any new or existing shooting range environment.

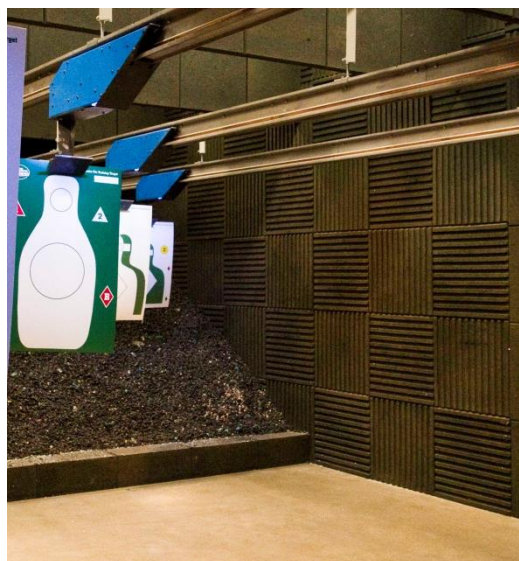
Range Systems patented Acoustic Dura-Panel was designed and tested for its ability to abate sound and decrease the dangerous noise impact experienced on gun ranges – with dramatic results.

Through statistically sound research, Range Systems has found the product to be exceptionally effective in decreasing sound; while still maintaining its original ability to encapsulate spent rounds eliminating the concern for ricochet or back splatter.

Sound generated by all objects, including firearms, is measured in Hertz. Firearms generally register between 1,000 to 4,000 Hertz when fired, understanding the majority generate between 2,000 to 4,000 Hertz.



Acoustic Dura-Panel™ ballistic rubber alone does not stop or defeat the round and must be used with appropriate backing



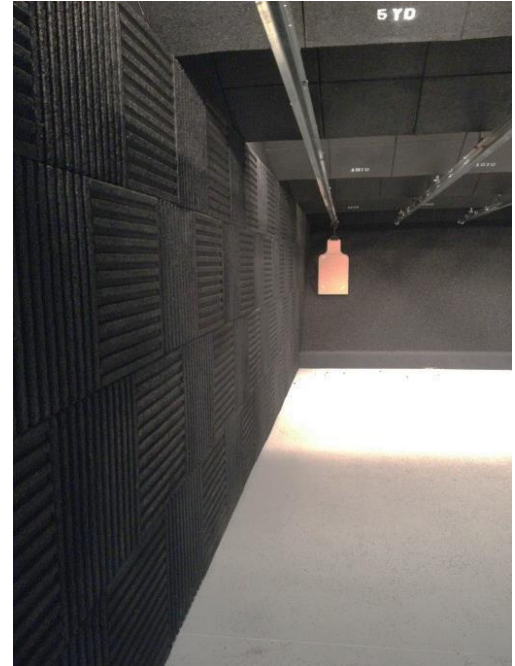


Range Systems Acoustic Dura-Panel™ demonstrated the following results:

- Absorbed **70%** of all sound at 1,000 (Hz)
- Absorbed **95%** of all sound at 2,000 (Hz)
- Absorbed **115%** of all sound at 4,000 (Hz)

(Note: 100% absorption of sound is considered perfect. The data showing 115% absorption at 4,000 (Hz) is due to the product design being 3-dimensional. The design of the acoustical panel protrudes vertically allowing for this exceptional performance.)

In comparing Acoustical Dura-Panel to other surfaces common to shooting ranges, the sound absorption coefficients results clearly show the advantages of Range Systems Acoustical Panel.



Coefficients (Hz)	*Concrete Block Coarse	*Concrete Block Painted	*Concrete Floor	*Plywood – 3/8"	Range Systems Acoustical Panel
1,000	.29	.07	.02	.09	.70
2,000	.39	.09	.02	.10	.95
4,000	.25	.08	.02	.11	1.15

*Resource: ASTM Standard C423, Sound Absorption

Another look at the data shows Range Systems Ballistic Acoustical Panel to provide:

- Approximately **100% greater** sound abatement (noise reduction) than poured concrete.
- Between **85% to over 100% greater** sound abatement (noise reduction) than plywood.
- **90% greater** sound abatement (noise reduction) than coarse concrete blocks at 4,000 (Hz).