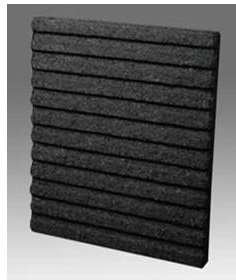


RANGE SYSTEMS

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.

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

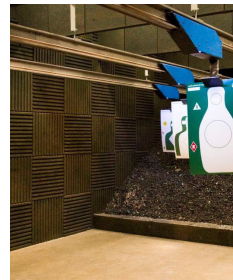
Physical Properties are Approximate

Dimensions 24"L x 24"W x 2"D Weight 34 lbs (15.4 kg) SKU #RP1009

Made in U.S.A.

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.

Sound Silencer™

Sound Silencer cleanable acoustical sound panels are unique - made from Rigid Porous ARPRO Acoustical (P.E.P.P.), the panels are Class A fire rated with STC and NRC values. Sound Silencer acoustical panels are great for gymnasiums, ice rinks, swimming pools, clean rooms, laboratories, food prep areas, firing ranges and anywhere else where noise control is important. The cleanable acoustical sound panels can be applied directly on wall and ceiling surfaces for attractive and effective sound control.



Envirocoustic™ Wood Wool

Envirocoustic™ Wood Wool is now a leader in the eco-friendly, high-performing, cost-effective acoustical-panel products category. These wood fiber acoustic panels perform well by absorbing sound while thermally insulating; ecologically, acoustic wool is simple to produce; and panels are available in many size and color variations that can be designed to fit nearly any décor.



The eco-friendly cementitious wood-fiber panels not only liven up a room with design variety, but acoustic wood wool panels also reduce echo and reverberation through sound absorption. Wood Wool boards can transform the aesthetics and acoustics of any interior space.



(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.

<p>Range Systems Acoustic Dura-Panel™ demonstrated the following results:</p> <ul style="list-style-type: none"> 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) <p>*Resource: ASTM Standard C423, Sound Absorption</p> <p>Another look at the data shows Range Systems Ballistic Acoustical Panel to provide:</p>	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

<ul style="list-style-type: none"> Approximately 100% greater sound abatement (noise reduction) than poured concrete. 	<ul style="list-style-type: none"> Between 85% to over 100% greater sound abatement (noise reduction) than plywood. 	<ul style="list-style-type: none"> 90% greater sound abatement (noise reduction) than coarse concrete blocks at 4,000 (Hz).
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<p>Sound Silencer</p> <p>With NRC rates ranging from .45 to .80 depending on panel thickness, Sound Silencer proves to an efficient method to absorb echo and reverberation.</p> <p>*Resource: ASTM Standard C423, Sound Absorption</p>	Type	Application	Thickness	Mounting	Testing Std	Results
	Absorption	Ceiling or Wall	1"	A	ASTM C423	NRC - 0.45
	Absorption	Ceiling or Wall	1"	A - 12" Spacing	ASTM C423	NRC - 0.50
	Absorption	Ceiling or Wall	2"	A	ASTM C423	NRC - 0.70
	Absorption	Ceiling or Wall	2"	A - 12" Spacing	ASTM C423	NRC - 0.80
	Sound Transmission	Ceiling or Wall	1"		E90	STC - 9
	Sound Transmission	Ceiling or Wall	2"		E90	STC - 13

<p>Envirocoustic Wood Wool</p> <p>With NRC rates ranging from .45 to .90 depending on panel thickness and backers, Envirocoustic Wood Wool proves to an efficient method to absorb echo and reverberation.</p>	Type	Application	Thickness	Mounting	Acoustical Backer	Testing Std	Results
	Absorption	Ceiling or Wall	1"	A	No Backer	ASTM C423	NRC - 0.45
	Absorption	Ceiling or Wall	2"	A	No Backer	ASTM C423	NRC - 0.75
	Absorption	Ceiling or Wall	1"	C-25	1" CFAB	ASTM C423	NRC - 0.80
	Absorption	Ceiling or Wall	2"	C-25	1" CFAB	ASTM C423	NRC - 0.90
	Absorption	Ceiling or Wall	1"	D-20	3/4" Airspace	ASTM C423	NRC - 0.50
	Absorption	Ceiling or Wall	2"	D-20	3/4" Airspace	ASTM C423	NRC - 0.75