



The sound produced by gunfire in indoor shooting ranges is deafening. SONEX[®] and WILLTEC[™] panels, made of Basotect[®], help eliminate this effect by absorbing sound waves that can be dangerous, causing serious discomfort and hearing damage. Used in military, government, law enforcement, public and private shooting ranges, SONEX has excellent sound absorption at 500 and 1,000 Hertz (Hz), the most common frequencies produced by gunfire.

>> Advantages

- Excellent acoustic absorption
- Reverberation time of 1.3 to 1.5 seconds
- Affordable
- Lightweight, easy to install and cut
- Easy to clean
- Unlike with fiberglass panels, gunpowder does not reduce performance

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Material

- Made from fiber-free open-cell WILLTEC™ made of Basotect®
- Natural light grey
- Water-based acoustic coating in standard, premium and custom colors for easy cleaning and durability
- Optional colortec, a charcoal-grey dye that permeates the entire thickness to camouflage marring and damage
- Non-repeating, omni-directional sculpted patterns

Sizes

- Panels: 24" x 48" (610 x 1,219 mm) dimension
- Thickness: 2" (65 mm)

Direct-Apply, Glue-up Installation to Smooth Substrates

- Use clean, thin, white cotton gloves to handle panels
- Cut acouSTIC™ adhesive cartridge tip to produce ¼-inch (6.4 mm)-diameter bead
- Run a continuous bead of adhesive around the panel's perimeter, approximately 1.5" (38 mm) from edges; then apply intermittent beads from opposite corners through the center of the panel creating an X
- Press panel firmly into place and smooth evenly across it to ensure a strong, lasting bond; the adhesive tack should be immediate
- Please consult pinta acoustic with any questions before starting your specific project application



Physical Data — WILLTEC

Material	Open-cell, melamine-based foam
Density	0.5 to 0.7 lbs./cubic ft. (ASTM D3574-77)
Long-Term Service Temperature	302°F (150°C)
Flame Spread and Smoke Density	Passes Class A per ASTM E 84 (all finishes) Passes CAN ULCS-102
Microbial Growth	Passes UL 181, Section 11
Fungus Resistance	Rating 0 per ASTM G21
Finishes	Natural (light grey), water-based acoustic coating (standard, premium and custom colors)

Sound Absorption

Finish	Thickness	Test ASTM C423-90a							Mounting Type
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	
Natural (light grey)	2" (51 mm)	0.15	0.52	0.98	1.13	1.00	1.11	0.90	A
Water-based acoustic coated (standard, premium and custom colors)	2" (51 mm)	0.21	0.50	1.03	1.14	1.04	1.05	0.95	A
colortec (charcoal)	2" (51 mm)	0.21	0.50	1.03	1.14	1.04	1.05	0.95	A

Coverage Area Example*

- 2" (51 mm) natural WILLTEC gray or SONEX Classic: 505 square feet (47 square meters)
- Natural WILLTEC HPC or SONEX Classic HPC coated or colortec: 500 square feet (46.45 m)

*Example shooting range is approximately 130' (39.62 m) with four 3' 8" (1.12 m) shooting lanes. The bullet trap is located 82' (25 m) from the front of the shooting range. There is an approximate 20' by 20' (6.1 by 6.1 m) area behind the shooting lanes and the bullet trap.

>> 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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