



SONEX® TECHNICAL SPECIFICATIONS

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 degrees F
Fire Resistance	Class 1 per ASTM E 84 (all finishes) Meets UL 1715 (willtec natural)
Flame Spread per ASTM E 84	Natural: 5 colortec™: 5 Painted: 10 Hypalon® coated: 25
Smoke Density per ASTM E 84	Natural: 50 colortec: 90 Painted: 10 Hypalon coated: 65
Microbial Growth	Passes UL 181, section 11
Fungus Resistance	Rating #0 per ASTM G21
Toxicity	Passes University of Pittsburgh Toxicity of Smoke Emission test
Finishes	Natural White or Grey, colortec, painted or Hypalon coated*
Note: *20-box order minimum required for Hypalon coating	

SOUND ABSORPTION

Finish	Thickness	Coefficients per ASTM C423-90a							
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	Mounting
Natural White or Grey	1-1/2"	0.08	0.29	0.73	0.94	0.97	0.89	0.75	B
	1-7/8"	0.17	0.55	1.07	1.15	1.08	1.10	0.95B	B
	2-1/2"	0.19	.062	1.15	1.21	1.14	1.20	1.05	B
Painted (Charcoal, Beige, Brown, Blue, and Light Gray)	1-1/2"	0.06	0.34	0.79	1.02	1.00	0.98	0.80	B
	1-7/8"	0.19	0.55	1.17	1.21	1.15	1.13	1.00	B
	2-1/2"	0.20	0.66	1.20	1.19	1.12	1.12	1.05	B

INSTALLATION INFORMATION

- Make sure both the panels and the surface to which the panels are being applied are free of and dirt. If adhering to a metal surface, use a degreaser.
- Apply a line of adhesive around the perimeter of the panel approximately 1" from the edge.
- Apply a line of adhesive from opposite corners through the center of the panel, creating an "X".
- Press panel into place and hold for 5 seconds. Then pull panel away to allow adhesive to become tacky. Lastly, press the panel back into position and hold again for 5 seconds.
- Wear clean cotton/canvas gloves for installation.
- Use a sharp razor or fixed blade knife and a metal straight edge cut panels. For best results, cut panels on flat side.
- Overhead installations may require additional adhesive and mechanical support to ensure a strong enough bond.