

SONEXmini™ Panels

- Smaller convoluted surface pattern
- Ideal for machine enclosures and other applications requiring thinner panels
- Panel size of 24"x48" in 1" or 1 1/2" thickness



SONEXmini Panels™ provide excellent sound absorption, especially in environments requiring high frequency noise control. Made with illbruck's exclusive willtec® foam, SONEXmini Panels are a safety-minded choice for use in machine enclosures and other confined spaces. willtec foam is Class 1 fire-rated according to ASTM E 84 for flame spread and smoke density. It can withstand constant temperatures above 300° Fahrenheit, and will char but not ignite at temperatures above 1100° Fahrenheit. willtec natural meets the corner burn test UL1715.

SONEXmini Panels, available in natural or painted willtec, are easy to install on any wall and/or enclosure surface with illbruck's AcouSTIC™ water-based adhesive. Refer to our installation sheet for more information.

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 Painted: 10
Smoke Density per ASTM E 84	Natural: 50 Painted: 10
Microbial Growth	Passes UL 181, section 11
Fungus Resistance	Rating 0 per ASTM G21
Finishes	Natural (white), Painted

Sound Absorption

Finish	Thickness	Coefficients per ASTM C423-90a							Mounting Type
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	
Natural (White)	1"	0.11	0.17	0.4	0.72	0.79	0.91	0.5	A
	1 1/2"	0.14	0.21	0.61	0.8	0.89	0.92	0.65	A
Painted (Charcoal, Beige, Brown, Blue, Light Gray)	1"	0.08	0.27	0.72	0.96	0.96	0.94	0.75	A
	1 1/2"	0.04	0.20	0.53	0.94	1.11	1.17	0.7	A