

Memtech Acoustical, LLC

Your Source for Noise Control Solutions

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Product Information



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Whisperwave Products

- Standard and custom wave designs
- Exceptional acoustical control across all frequencies
- Offered in panel, baffle, ceiling cloud and awning options
- Easy installation
- Class 1 fire-rated

Applications:

- ✓ Classrooms
- ✓ Cafeterias
- ✓ Entertainment facilities
- ✓ Multipurpose rooms
- ✓ Indoor swimming pools
- ✓ Offices
- ✓ Libraries
- ✓ Religious facilities
- ✓ Other large open areas



WHISPERWAVE Panels, Baffles,

Ceiling Clouds and Awnings provide exceptional acoustical control and design flexibility. Lightweight and easy to install, WHISPERWAVE products are ideal for use in classrooms, cafeterias, multipurpose rooms, indoor swimming pools, offices, libraries, religious facilities and other large open areas.

Installation

WHISPERWAVE Panels

- Mounts to ceilings or walls using acouSTIC adhesive

WHISPERWAVE Baffles

- Corkscrew hangers are installed in the field for either wall-to-wall cable installation or ceiling-mounted cable installation
- Can be aligned in the same direction or arranged so that every other baffle is turned 90 degrees

WHISPERWAVE Ceiling Cloud

- Corkscrew hangers are installed in the field for ceiling-mounted cable installation

WHISPERWAVE Awning

- Install track on the wall to support wall side of awning
- Corkscrew hangers are installed in the field for ceiling-mounted cable installation

Sizes

WHISPERWAVE Wall Panels

- Any dimension up to 48" x 96"
- Custom panel sizes available
- Can be joined for long ribbon appearance
- 1-1/2", 2" and 3" thicknesses

WHISPERWAVE Baffles

- Any dimension up to 48" x 96"
- Custom baffle sizes available
- 2" and 3" thicknesses

WHISPERWAVE Ceiling Clouds and Awnings

- Any dimension up to 48" x 96"
- Custom sizes also available
- 2-1/2" and custom thicknesses

Material

WHISPERWAVE is made from willtec® foam, which is Class 1 fire-rated for flame spread and smoke density. willtec natural also meets the corner burn test UL 1715. WHISPERWAVE is offered in natural white and grey and can be HPC-coated.

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
Fire Resistance	Class 1 per ASTM E 84 (all finishes) Meets UL 1715 (willtec natural)
Flame Spread per ASTM E 84	Natural: 5 HPC-coated: 15
Smoke Density per ASTM E 84	Natural: 50 HPC-coated: 150
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, Grey or HPC-coated

Sound Absorption—WHISPERWAVE Baffles

Finish	Thickness	Sabins per 24" x 48" Baffle per ASTM C423-90a						
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	Ave.
Natural White or Grey	2"	1.0	5.4	10.8	16.3	18.7	24.0	12.7

Sound Absorption—WHISPERWAVE Ceiling Clouds/Awnings

Finish	Thickness	Sabins per 48" x 96" Ceiling Cloud per ASTM C423-07						
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	Ave.
Natural White or Grey	2-1/2"	6.4	22.1	44.3	55.9	58.9	60.6	45.3

Sound Absorption—WHISPERWAVE Panels

Finish	Thickness	Coefficients per ASTM C423-90a							
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	Mounting Type
Natural White or Grey	2"	0.11	0.33	0.85	1.05	1.09	1.06	0.85	B
	3"	0.09	0.68	1.20	1.18	1.12	1.05	1.05	A
HPC-coated (Black, Grey, White, Almond)	2"	0.13	0.41	1.02	1.18	1.18	1.13	0.95	0B
	3"	0.13	0.85	1.25	1.22	1.13	1.14	1.1	A