Memtech Acoustics

WHISPERWAVE™ Clouds, Baffles and Panels

Product Information







Versatile acoustic design elements, sinuous WHISPERWAVE™ suspended ceiling clouds and baffles, smooth-back, direct-apply, glue-up wall and ceiling panel products render graceful, flowing lines about interior spaces. In addition, WHISPERWAVE provides superior sound absorption. Made from lightweight, non-fibrous, open-cell expanded melamine WILLTEC™ foam, WHISPERWAVE products are readily available in a variety of standard and custom shapes, sizes, thicknesses and water-base acoustic coated color finishes.

>> Advantages

- Excellent acoustic absorption across all sound frequencies
- Naturally resistant to mold, fungus and bacteria growth, can withstand high heat and humidity of indoor pools
- Various cloud and baffle single- and gang-suspension and direct-apply, glue-up smooth-back panel options available

2175 Avon Industrial Drive
Rochester Hills, MI 48309
+1 (248) 289-1123
sales@memtechacoustics.com
www.memtechacoustics.com

Memtech Acoustics

WHISPERWAVE™ Clouds, Baffles and Panels

Product Information

Material

- Made from open-cell, natural light grey or white WILLTEC™ expanded melamine foam
- Standard water-based acoustic coating color options in arctic white, light, medium or dark grey, black and other premium or custom options are available

Sizes

WHISPERWAVE Suspended Clouds

- Most any cloud shape and sizes up to 48" x 96" (1219 x 2184 mm)
- Offered in a variety of thicknesses, 2" and 3" (51 and 76 mm) standard options

WHISPERWAVE Suspended Baffles

- Most any baffle shape and sizes up to 48" x 96" (1219 x 2184 mm)
- Offered in a variety of thicknesses, 2" (51 mm) standard

WHISPERWAVE Direct-Apply, Glue-up Panels

- Most any panel shape and size up to 48" x 96" (1219 x 2184 mm)
- Offered in a variety of thicknesses
- Can be butted together to create a continuous appearance

Installation

WHISPERWAVE Suspended Clouds

- Corkscrew hangers available for individually suspended clouds
- Precut T-slots available for close side-by-side, gang-suspended applications

WHISPERWAVE Suspended Baffles

- Corkscrew hangers available for individually suspended baffles
- Two to three corkscrew pieces per baffle typical according to size and orientation

WHISPERWAVE Direct-Apply, Glue-up Panels

- Use acouSTIC™ adhesive tube cartridges or pourable, roll-apply adhesive products according to specific project applications as required: panel-to-substrate

Please reference the installation guide and consult Memtech Acoustics with any questions prior to your specific project start.

Physical Data—WILLTEC foam

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
Toxicity	Passes University of Pittsburgh Toxicity of Smoke Emission test
Finishes	Natural (white or grey) or water-based acoustic coated (standard, premium or custom colors)

Sound Absorption—WHISPERWAVE Clouds

Finish	Thickness	Sabins per 48" x 96" Ceiling Cloud per ASTM C423-07						
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	Mounting Type
Natural (white or light grey)	2" (51 mm)	5.06	22.71	47.90	72.55	73.84	85.47	J
	3" (76 mm)	14.10	34.77	79.44	88.81	92.90	100.11	J

Sound Absorption—WHISPERWAVE Baffles

Finish	Thickness	Sabins per 24" x 48" Baffle per ASTM C423-90a						
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	Mounting Type
Natural (white or light grey)	2" (51 mm)	1.0	5.4	10.8	16.3	18.7	24.0	J

Sound Absorption—WHISPERWAVE Panels

Finish	Thickness	Coefficients per ASTM C423-90a							
		125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	NRC	Mounting Type
Natural (white or light grey)	2" (51 mm)	0.11	0.33	0.85	1.05	1.09	1.06	0.85	B
	3" (76 mm)	0.09	0.68	1.20	1.18	1.12	1.05	1.05	A
Water-based acoustic coated (standard, premium and custom colors)	2" (51 mm)	0.13	0.41	1.02	1.18	1.18	1.13	0.95	B
	3" (76 mm)	0.13	0.85	1.25	1.22	1.13	1.14	1.1	A

>> Other Products

- Direct-Apply Ceiling and Wall Panels
- Suspended Ceiling Clouds and Baffles
- Suspended Grid Lay-in Panels
- Barriers, Foam and Composites

2175 Avon Industrial Drive
Rochester Hills, MI 48309
+1 (248) 289-1123
sales@memtechacoustics.com
www.memtechacoustics.com