

## WHISPERWAVE™ Panels, Baffles, Ceiling Clouds and Awnings Product Information



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.

### >> | Advantages

- 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

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# WHISPERWAVE™ Panels, Baffles, Ceiling Clouds and Awnings

## Product Information

### 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.

### 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

### 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

### 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)<br>Meets UL 1715 (willtec natural) |
| Flame Spread per ASTM E 84    | Natural: 5<br>HPC-coated: 15  |
| Smoke Density per ASTM E 84   | Natural: 50<br>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 Panels

| Finish                                  | Thickness | Coefficients per ASTM C423-90a |       |       |      |      |      |      | Mounting Type |
|---|-----------|--------------------------------|-------|-------|------|------|------|------|---------------|
|   |           | 125Hz                          | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | NRC  |               |
| 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 | B             |
|   | 3"        | 0.13                           | 0.85  | 1.25  | 1.22 | 1.13 | 1.14 | 1.10 | A             |

### 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 |

## >> Other Products

- Wall Panels
- Ceiling Tiles
- Baffles
- Barriers, Foams and Composites

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