

## SONEX® AFS Ceiling and Wall System Product Information



From the original manufacturer of SONEX® acoustic panels for the broadcast and recording industries, pinta acoustic is proud to offer SONEX AFS acoustic plaster ceiling and wall system. Directly applied to a solid substrate, SONEX AFS consists of a thin fiberglass mesh laminated to Class 1 fire-rated willtec® open-cell melamine-based foam panels, offered in a variety of thicknesses. Joints between panels are taped and finished, then two coats of PHONSTOP® PA85 plaster are trowel-applied to create a smooth, porous surface. Sound energy travels through the finish and is absorbed into the willtec core to deliver exceptional NRC ratings.

### >> | Advantages

- Smooth, seamless monolithic appearance
- Excellent sound absorption
- Flexible and resilient
- Large, lightweight panels for faster production times
- Low VOC, better indoor air quality, high light reflectance

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# SONEX® AFS Ceiling and Wall System

## Product Information

### Applications

- Restaurants and high-end interiors
- Public spaces and government buildings
- Swimming pools
- Theaters and concert halls
- Museums and galleries
- Other interior spaces

### Materials

- Class 1 fire-rated, lightweight, flexible and resilient SONEX panels laminated with fiberglass mesh facing
- Trowel-on acoustic water-based adhesive with mechanical fasteners, if required
- Two coats (maximum thickness of 4 mm) of PHONSTOP® PA85 Plaster (applied by approved applicator\*)
- Finished appearance is smooth and white with slight texture from integral mineral aggregates
- Optional acoustical coating\*\* for custom colors may be mist-applied to the dry finish

### Size

- Panel dimensions: up to 4' x 8', 4' x 4' typical (1.22 x 2.44 m, 1.22 x 1.22 m typical)
- Variety of thicknesses: 5/8", 1", 1-1/2" or 2" (16, 25, 38 or 50 mm)

### Installation

- Can be applied to flat or curved solid substrates on walls or ceilings after electrical, lighting, HVAC and fire-sprinkler systems have been installed\*\*\*
- willtec® panels laminated with fiberglass mesh facing, adhere directly to wall or ceiling substrates using trowel-on acouSTIC water-based adhesive with mechanical fasteners, if required (fiberglass mesh facing exposed surfaces)
- No box outs required around openings
- Panel joints are covered with fiberglass mesh tape and finished with PHONSTOP PA85 Plaster
- One base coat of PHONSTOP PA85 Plaster is hand trowel-applied to set and a second coat is applied to finish (5/32" or 4 mm is the maximum total plaster thickness)
- Control joints required every 5,000 square feet (464.52 m<sup>2</sup>) or as specific project conditions call for
- Approved applicator specialist only\*
- One-year warranty

\* Plaster may only be applied by applicator specialists approved by pinta acoustic, inc.

\*\* See website for details. Acoustical coating may only be applied by a certified applicator.

\*\*\* Natural and artificial light will affect the appearance of the finished surface.

### Cleaning and Repair

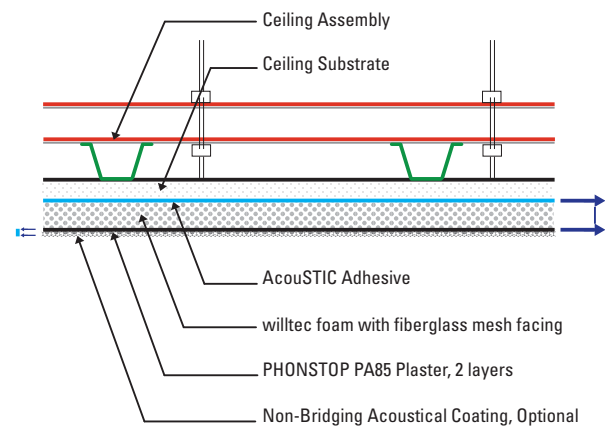
- Blow dust from finish with compressed air
- Non-penetrating surface marks may be removed carefully using masking tape to lightly lift marks away
- Tougher stains may be removed with a 10 percent hydrogen peroxide solution applied sparingly
- If damaged, finish may be patched (subtle cold joints may be visible)
- If necessary, unify patched surfaces with an acoustical coating designed for this application\*\*
- Consult an approved applicator specialist for repairs

### Physical Data—willtec

Tensile Strength	8 PSI (ASTM D3574-77)
Density	0.7 lbs./cubic foot
Elongation	8% (ASTM D3574-77)
Heat Conductivity	K factor = 0.24 at 50°F
Temperature Stability	0 to 302°F
Fire Resistance	Class 1 (ASTM E84)
Surface Treatments	PHONSTOP PA85 Plaster max. 5/32" (4 mm) thick

### Sound Absorption

Finish	Thickness	Coefficient per ASTM C423-90a (Mounting Type A) Frequency (Hz)/Sabins						
		125	250	500	1,000	2,000	4,000	NRC
SONEX AFS Natural	5/8" (16 mm)	0.05	0.24	0.70	0.81	0.76	0.57	0.65
	1" (25 mm)	0.13	0.41	0.88	1.03	1.02	1.05	0.85
	1-1/2" (38 mm)	0.13	0.64	1.07	1.17	1.02	1.01	1.00
	2" (50 mm)	0.24	0.78	1.14	1.17	1.13	1.01	1.05



## >> Other Products

- Wall Panels
- Ceiling Tiles
- Ceiling Clouds
- Baffles
- Barriers, Foam and Composites

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