

SONEX® AFS Acoustic Plaster Systems Product Information



The original manufacturer of SONEX® acoustic panels for the broadcast and recording industries, pinta acoustic, offers SONEX AFS acoustic plaster systems. Typically adhered to gypsum substrates, SONEX AFS consists of single- or double-sided, fiberglass-mesh laminated to Class 1 fire-rated WILLTEC® open-cell melamine foam panels, offered in a variety of thicknesses. Joints between panels are taped and finished, then base and finish coats of PA-85 plaster are trowel-applied creating smooth monolithic walls or ceilings. Sound energy travels through the acoustically porous finish and gets absorbed into the WILLTEC panel core beyond, delivering exceptional NRC ratings within interior spaces.

>> Advantages

- Highest NRC sound ratings using thinnest, lightest weight panels
- Extra-large panels for quicker coverage
- Base- and finish-coat plasters are the same
- Custom color options
- Overall less production time, labor and material cost

2601 49th Avenue North, Suite 400
Minneapolis, MN 55430
1-800-662-0032
+1 612-355-4200
sales@pinta-acoustic.com
www.pinta-acoustic.com

Applications

- Classic modern interiors
- Restaurants and entertainment venues
- Museums, performing arts theaters
- Government, corporate and retail
- Lobby, showroom and studio spaces
- Libraries and education

Materials

- Lightweight, Class 1 Fire-rated, SONEX AFS panels pre-laminated with fiberglass-mesh facing, one or two sides
- Roll-apply acouSTIC[™] water-based adhesive
- PA-85 acoustic plaster base and finish coats (1/16" [1.59 mm] per coat maximum thickness) applied by approved applicators*
- Smooth, seamless acoustic finish systems suitable for flat and curved applications
- Custom integral dye color plaster options

Size

- Larger panels for fewer joints, requires no filling or sanding
- Typical panel sizes: 48" x 48" (1220 x 1220 mm) and 48" x 96" (1220 x 2438 mm)
- Panel thicknesses: 1", 1-1/2" or 2" (25, 38 or 50 mm)

Installation

- SONEX AFS panels, laminated with fiberglass-mesh facing, adhere directly to wall or ceiling substrates using roll-apply acouSTIC adhesive (5-gallon [19.92 L] buckets)
- Roll-apply acouSTIC adhesive to both panel backs and substrates one to one in order to achieve quickest tack and strongest bond
- Apply 2" (51 mm) wide fiber-mesh tape over panel joints, vinyl corner beads, control joints per pinta specifications and project drawings
- Embed tape, feather joints and vinyl trim as necessary using PA-85 plaster, let dry
- Then, trowel finish, smooth separate base and finish coats of PA-85 plaster creating monolithic looking walls or ceilings

* 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

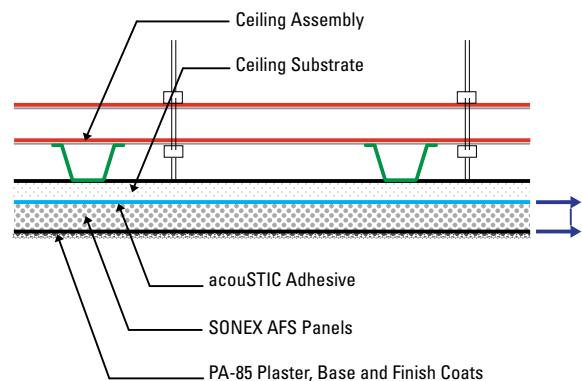
- Best to use a clean, dry soft-bristle brush vacuum attachment to gently lift dust from the plaster finish
- For hard-to-reach areas, dust can be blown away using compressed air
- Light, non-penetrating surface marks may be carefully removed using masking tape to lift marks away
- Tougher stains may be removed by softly dabbing the affected spot using a clean, soft cotton cloth dampened with a 10-percent hydrogen peroxide solution
- SONEX AFS acoustic plaster is water based and will re-emulsify if soaked; refrain from oversaturating, rubbing or scrubbing the finish surface
- If SONEX AFS wall or ceiling sections become damaged, please contact pinta acoustic to coordinate further

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	PHONOSTOP PA-85 Plaster maximum 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	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	5.58	1.05



>> Other Products

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

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