Memtech Acoustics

SONEX® AFS Acoustic Plaster Systems

Product Information



Providing a seamless look, SONEX AFS is typically adhered to gypsum substrates. SONEX AFS consists of single- or double-sided fiberglass mesh laminated to WILLTEC™ open-cell melamine foam panels. 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, delivering exceptional NRC ratings.

>> Advantages

- Highest NRC sound ratings using thin, lightweight panels
- Extra-large panels for quicker coverage
- Base- and finish-coat plasters are the same
- Custom color options
- Less production time, labor and material cost

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Physical Data — WILLTEC foam

Material	Density	Temperature Stability	Flame Spread and Smoke Density	Heat Conductivity	Elongation	Surface
Fiberglass mesh pre-laminated on open-cell melamine foam, acouSTIC™ adhesive, PA-85 acoustic plaster	0.7 lbs./cubic ft. (0.32 kg per m³) ASTM D3574-77	0 to 302°F (-18 to 150°C)	Passes Class A per ASTM E 84, passes CAN ULC-S102, meets UL 1715	K factor = 0.24 at 50°F (10°C)	8% (ASTM D3574-77)	PHONSTOP PA-85 Plaster maximum 5/32" (4 mm) thick

Size
- Larger panels for fewer joints; requires no filling or sanding
- Typical panel sizes: 48" x 48" (1219 x 1219 mm) and 48" x 96" (1219 x 2438 mm)
- Panel thicknesses: 1", 1-1/2" or 2" (25, 38 or 51 mm)

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

Installation
- SONEX AFS panels, laminated with fiberglass-mesh facing, adhere directly to wall or ceiling substrates
- Roll-apply acouSTIC adhesive to both panel backs and substrates to achieve the quickest tack and strongest bond
- Apply 2" (51 mm) wide fiber-mesh tape over panel joints, vinyl corner beads and control joints per specifications and project drawings
- Embed tape, feather joints and vinyl trim as necessary using PA-85 plaster. Let dry
- Trowel finish. Smooth separate base, and finish coats of PA-85 plaster, creating monolithic-looking walls or ceilings

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
- 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 Memtech Acoustics to coordinate repair

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)	0.10	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	1.58	1.05

Plaster may only be applied by specialists approved by pinta acoustic, inc. Coating may only be applied by a certified applicator. Light will affect the appearance of the finished surface.

>> Links

- **Drawing**
- **3-Part Specs**
- **LEED® Credit Statement**

Available on request from Memtech Acoustics.

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