pinta acoustic
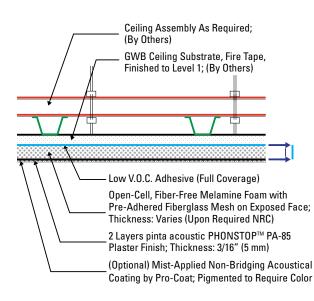
Tool Recommendations

- Plaster – specialized stainless steel, 1/16" (2 mm) square-notched tooth gauging and smoothing trowels (to purchase, contact pinta acoustic, inc.)
- PA-02 coverage – 128 sq. ft. (11.89 sq. m) per bucket
- PA-85 coverage – 40 to 50 sq. ft. (3.72 to 4.65 sq. m) per bucket, per 1/16" (2 mm) coat (2 coats needed)
- Glue – stainless steel 1/16" (2 mm) square-notched tooth gauging trowels or (1/4" min. or 3/8" max. [6 mm min. or 10 mm max.]) nappy paint rollers
- Foam – Airway Extension Handle Roller No. AR-333 available through the Beno J. Gundlach Company, www.benojgundlachco.com
- Fasteners – drywall screws with Plasti-Grip CBW2, 2" (51 mm) diameter, flat plastic washers as manufactured by Rodenhouse, Inc., www.rodenhouse-inc.com

Ceiling Assembly As Required; (By Others)

GWB Ceiling Substrate, Fire Tape, Finished to Level 1; (By Others)

Low V.O.C. Adhesive (Full Coverage)

Open-Cell, Fiber-Free Melamine Foam with Pre-Adhered Fiberglass Mesh on Exposed Face; Thickness: Varies (Upon Required NRC)

2 Layers pinta acoustic PHONSTOP™ PA-85 Plaster Finish; Thickness: 3/16" (5 mm)

(Optional) Mist-Applied Non-Bridging Acoustical Coating by Pro-Coat; Pigmented to Require Color

Installation

- SONEX® AFS system's PA-85 acoustic plaster is typically applied by hand using hawk and trowel methods. Both base and finish coats need to be applied using specialized square-notched tooth gauging and smoothing trowels in order to control plaster thickness for each coat.
- Begin the SONEX AFS panel layout from one corner of two adjacent sides using a half-size panel, if necessary, to offset the panel joints with (gypsum) substrate panel joints. Butt joints between each SONEX AFS panel. Panels should be staggered so that no two line up with panels in an adjacent row.

- Use trowel or roller to evenly apply a thin coat of pinta acoustic PA-02 trowel-able/roll-on adhesive across one side of a SONEX AFS panel. Apply PA-02 to the substrate surface only in the area where the panel is being mounted. Work the substrate and panel together, one-to-one, to achieve the best adhesive tack and bond. Clean up tools with soap and water.
- Install glue-covered side of the SONEX AFS panel to the glue-covered substrate with clearance from other panels and walls and then lightly slide into final position. Employing a sliding motion improves glue spread and bond. Keep all panels level and butt together as tight as possible. Follow up using a triple-wide Airway Extension Handle Roller to evenly apply more pressure across each panel's entire surface from all directions to help produce the tightest contact.
- Use drywall screws and plastic (not metal) washers to secure panels to the substrate. Install temporary fastener and washers at least 2" (51 mm) away from perimeter edges and seams to allow enough room to apply fiberglass mesh tape to the seams and vinyl trims at the visible edges. Apply light pressure to softly inset washers against the panel's surface. Do not overtighten and avoid making deep dimples. Be sure to remove all temporary fasteners after the adhesive bond has sufficiently developed. Adhesive curing times may vary due to project temperature and humidity conditions.

■ Apply 2" (51 mm) wide, white, open-mesh, fiberglass drywall tape (do not use problematic self-adhesive types) to all butt joints between panels and attach vinyl trim profiles where necessary using high-tack spray adhesive. Typically, spray both along AFS panel edges and undersides of vinyl trim before adhering together. Once set, all vinyl trim profiles get spray adhesive applied and taped over along their flange edges using more 2" (51 mm) fiberglass drywall tape to knit in and laminate to SONEX AFS panel face covered mesh. Keep tape evenly applied flat, free of wrinkles and continuously long. When necessary, overlap the tape a minimum of 2-1/2" (64 mm) or as specified by manufacturer. Optionally, finish by embedding all joints and trim profiles in a thin, 4" (102 mm) wide band of pinta PA-85 acoustic plaster. Drying times may vary due to project temperature and humidity conditions. Allow a minimum of 12 to 24 hours to completely dry before proceeding with the base coat application.

■ For every ceiling or wall section planned, both the pinta PA-85 acoustic plaster base and finish coat applications should be produced in a continuous, nonstop process. Cold joints in the finish coat are unacceptable.

■ Mix factory-prepared pinta PA-85 base and finish acoustic plaster on-site using a clean, rust-free paddle until thoroughly blended to a smooth, workable consistency. A very small amount of clean water may be added to adjust workability, if necessary. To ensure consistent coloring, regularly cross-batch and thoroughly premix enough plaster in the buckets together ahead of each base- and finish-coat section planned. Keep buckets covered with lids until ready for use. Clean up tools with soap and water.

■ If custom colored pinta PA-85 acoustic plaster is specified, plasterers are to add one quart-size liquid pigment dye-filled can to each five-gallon bucket of pinta PA-85 acoustic plaster intended for both, base and finish coats (or as specifically further instructed by pinta acoustic). Then thoroughly paddle mix and cross-batch mix all buckets of plaster together in order to ensure an even, consistent coloring before any trowel-on application begins.

■ Apply a 1/16" (2 mm) thickness base coat of pinta PA-85 acoustic plaster using the specialized trowels. This thin base coat is very important to achieve the quickest drying times. Clean up tools with soap and water. Drying times may vary based on temperature and humidity conditions and if a thicker base coat of plaster was applied than what was specified. Allow at least 48 hours or more for the base-coat plaster to completely dry before proceeding with the finish-coat application.

■ Apply a 1/16" to 3/32" (2 mm to 2.38 mm) maximum thickness final coat of pinta PA-85 acoustic plaster finish using the same trowels and smoothing techniques as before in order to control plaster thickness and achieve best finish results. Clean tools with soap and water. Drying times may vary due to a thicker finish coat, project temperature and humidity conditions. Allow at least 72 hours or more for the plaster finish coat to completely dry before installing any surface-mounted fixtures.

■ Inherent in all hand-troweled acoustic plaster finishes, minor acceptable trowel marks and other slight imperfections in the finished surface may only be noticeable at certain times of the day or under certain critical lighting conditions. During the entire installation, make certain that the lighting used will match or be better than the finished lighting conditions expected to ensure acceptable finish results at the project's completion

pinta acoustic recommends a PA-02 coverage area of 128 sq. ft. (11.89 sq. m) per bucket. PA-85 plaster recommended coverage area is 40 to 50 sq. ft. (3.72 to 4.65 sq. m) per bucket, per coat.