HOMASOTE®

Sensible. Sound. Solutions.

PINnacle™ 440 ARCHITECTURAL SPECIFICATIONS

CSI Sections 06, 09, 10

PART 1 GENERAL

1.1 Section Includes

A. Sound deadening acoustical tackable systems.

1.2 References

A. ASTM E 84– test method for surface burning characteristics of building materials.

B. ASTM D 1037–test methods of evaluating properties of wood-base fiber and particle panel materials

1.3 Submittals

A. Submit under provisions of section 013000.

B. Product data: manufacturer's catalog data, detail sheets, and specifications.

C. Quality assurance/control submittals:

1. Manufacturer's installation instructions.

1.4 Quality Assurance

A. Manufacturer's qualifications:

1. Minimum 10 years experience in producing sound-deadening boards of the type specified herein.

1.5 Delivery, Storage, and Handling

A. Deliver materials in manufacturer's original packages.

B. Inspect the materials upon delivery to assure that specified products have been received.

C. Report damaged material immediately to the delivering carrier and note such damage on the carrier's freight bill of lading.

D. Store materials in a dry place, indoors, or on raised platform protected from weather damage.

PART 2 PRODUCTS

2.1 Manufacturers

A. Acceptable manufacturer: Homasote Company, 932 Lower Ferry Road, West Trenton, N.J. 08628. Telephone: 800-257-9491 or 609-883-3300, Sales Department, Ext. 1500, Techical Support, Ext. 1332, Fax 609-883-3497. Web site: www.homasote.com. For a local Homasote Company sales rep call the Sales Department, Ext. 1500.

B. Requests for substitutions will be considered in accordance with provisions of section 01600.

C. Substitutions: not permitted.

D. Provide all sound-deadening boards from a single manufacturer.

2.2 Materials

A. Sound-deadening boards: Homasote PINnacle™ 440; physical properties as follows:

1. Thickness: 1/2 inch (13mm).
2. Density: 26-28 pcf (416-448 kg/ cubic m).
3. Tensile strength: 450-700 psi (3,100-4, 830 kPa).
4. Hardness (Janka Ball): 230 lbs. (104 kg).
5. Water absorption by volume; ASTM D 1037:
   a. 2 hour immersion: 5 percent maximum.
   b. 24 hour immersion: 15 percent maximum.
6. Expansion, 50 to 90 percent relative humidity: 0.25 percent.
7. R-value: 1/2 inch 1.2 (0.021), 5/8 inch 1.33, 3/4 inch 1.4.
8. Flame spread: Class III (or C).
9. Noise reduction coefficient: 0.20.

2.3 Accessories

A. Adhesive: APA AFG-01 approved.

B. Angular thread nails: length as required to penetrate a minimum of 3/4 inch (19mm) into wall studs.

C. Screws:

1. Coarse thread drywall type wood screw, length as required to penetrate 3/4 inch (19 mm) into wall studs.

PART 3 EXECUTION

3.1 Examination

A. Examine substrates upon which work will be installed.

B. Verify framing member spacing complies with manufacturer's requirements depending on substrates and installation methods.

C. Verify environmental conditions are, and will continue to be, maintained in accordance with manufacturer's recommendations.

D. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates or conditions.

E. Starting work by installer is acceptance of substrates and environmental conditions.

3.2 Preparation

A. Follow manufacturer's instructions by separating and allowing PINnacle to be exposed to environmental temperature and humidity conditions for not less than 24 hours before start of installation.

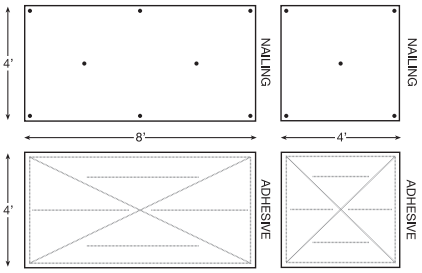
B. PINnacle panels must be installed in a clean, dry condition. DO NOT INSTALL WET PANELS. It is essential to make every effort to prevent water from ponding on installed panels. PINnacle panels must be thoroughly dry prior to closing in the structure.

3.3 Installation

A. Follow manufacturer's instructions for cutting and installation of PINnacle.

B. Over prefinished walls.

1. Apply 4 by 8 foot (1.219 x 2.438m) panels on the wall.
2. Using approved APA subfloor adhesive meeting APA-AFG-01 specifications, apply a 3/8 inch bead of adhesive. Holding back 3/4 inch from panel edges and in an "X" pattern within the field as shown in the "nailing and adhesive pattern."



3. Allow 3/16 inch (4.7mm) space at panel joints, and 3/8 inch (9.5mm) space along walls and partitions.
4. Use proper length ring shank nails or screws to penetrate wall stud 3/4 inch minimum (19mm). Follow nailing pattern in diagram.
5. If omitting adhesive, panels must be nailed or screwed 6 inch o.c. along panel edges and 10 inch o.c. throughout the field of the board.
6. Hold back nails or screws 3/8 inch (9.5mm) from panel edges.

3.4 Adjusting and Cleaning

A. Replace panels that cannot be repaired.

B. Light sanding by using 280-320 grit paper.