

ComfortBase®



**For Finish
Flooring Over
Concrete***

Storage and Protection

ComfortBase® should be stored flat at all times prior to installation. Store inside when possible. For exterior storage, ComfortBase should be placed above ground on pallets and covered by exterior tarpaulins.

Application Instructions

A. General Requirements

Temperature and humidity conditions closely approximating those which will exist when building is occupied shall be maintained before, during and after the application of panels. Installation shall not be made when building is excessively cold, hot and/or damp. All panels shall be removed from plastic covered units and separated not less than 24 hours prior to installation to allow material to acclimate. For below grade applications the use of a dehumidifier and a vapor barrier is highly recommended.

ComfortBase 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. ComfortBase panels must be thoroughly dry prior to closing in the structure.

During installation, all panel edges must be spaced 3/16" from adjoining panels and 3/8" from all walls and partitions to allow for expansion and contraction. On runs over 50', provide 1/2" expansion joint. All panel joints must be staggered regardless of panel size. In all cases, either slab or concrete floor, the concrete must be dry prior to attachment. **ComfortBase is not recommended for application in areas where moisture is present.**

NOTE: Bowing of panels away from the grid side is normal prior to application

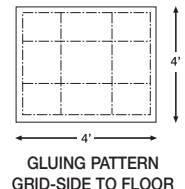
B. Installation For Use With Carpet and Pad

Floating Method

1. 1/2" thick by 1 1/2" wide wood strips shall be nailed and/or glued to concrete at all locations where tackless strips are to be used.
2. Lay panels in position grid side down. Allow 48 hours prior to installation of carpet and pad.
3. Tackless strips are nailed to the top of wood nailers followed by the installation of carpet and pad.

Adhesive Method – For use with stretch carpet and floating hardwood floor.

1. 1/2" thick by 1 1/2" wide wood nailers shall first be nailed and/or glued to concrete at all locations where tackless strips are to be used. No nailers needed for floating floor.
2. Apply a 3/8" bead of APA approved sub floor adhesive meeting APA AFG-O1 specification to the **GRID SURFACE** as show in the "Gluing Pattern" below.
3. Apply adhesive 3/4" from edge around perimeter of ComfortBase, then cross adhesive beads at a maximum of 16" intervals.
4. Turn ComfortBase over and place adhesive side down to concrete.
5. Apply pressure over the entire surface to assure the ComfortBase is set.
6. After ComfortBase is set in place, it is recommended to stay off the material for 24 - 48 hours to allow the proper setting up of the decking adhesive.
7. Install floating floor. For carpet, tackless strips are nailed to the top of wood nailers, followed by the installation of carpet and pad.



Installation for use with adhered carpets, vinyl, engineered flooring and ceramic tile.

1. Follow 2, 3, 4, 5, and 6 of "Installation for use with Carpet and Pad -Adhesive Method."
2. Apply 4' x 4' (maximum) sheets of 3/8" or greater thickness plywood of suitable underlayment grade† over ComfortBase.
3. Attach plywood through ComfortBase and into concrete using mechanical fasteners. Fasteners must penetrate a minimum of 1" into the concrete. Place fasteners, one in each corner, holding back 3/4" from panel edge; place one fastener in the middle of the panel. Allow for 3/16" expansion gap between all panels.
4. Install desired floor coverings according to manufacturer's instructions.

† NOTE: Must be a thickness and grade acceptable to finish flooring manufacturer.

* For 3/4" T&G nail down hardwood flooring, see "ComfortBase for Hardwood Flooring Over Concrete."

ComfortBase® SPECIFICATIONS

PART 1 GENERAL

1.1 Section Includes

- A. Sound-deadening acoustical flooring 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 01300.
- 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, Technical 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 ComfortBase; 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.
 - 8. Flame spread: Class III (or C).
 - 9. Noise reduction coefficient: 0.20.

2.3 Accessories

- A. Adhesive: APA AFG-01 approved.

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 Homasote ComfortBase to be exposed to environmental temperature and humidity conditions for not less than 24 hours before start of installation.
- B. ComfortBase 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. ComfortBase panels must be thoroughly dry prior to closing in the structure.

3.3 Adjusting and Cleaning

- A. Replace panels that cannot be repaired.



To make sure you have the most current installation instructions visit <http://www.Homasote.com/installation> to see if newer instructions are online. If online is newer, print out and use the Internet version. These instructions were printed January 22, 2008.

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