

# Installation Instructions



# QUIETZONE® Acoustic Floor Mat

**IMPORTANT:** For proper acoustic isolation, QuietZone Acoustic Floor Mat must be laid on a clean, dry and level surface covering the entire floor area with the mat turned up at each wall and should be installed after the drywall has been applied. A gypsum concrete or two-layer plywood raft is installed to “float” on top of the floor mat and provide a rigid surface for finished flooring.

## Installation with Plywood Raft

### Note: for use with

- **hardwood**
- **vinyl**
- **wood laminate**
- **carpet and padding**

### 1. Install Floor Mat

- Roll out QuietZone Acoustic Floor Mat directly on top of the subfloor so that the entire floor surface area is covered and 3-4" of floor mat is turned up along wall.
- Butt adjoining edges of floor mat against each other and tape all seams with standard (2" wide) building tape. Also, tape the turned up edges to the wall to help with installation of the wood raft.
- Ensure the QuietZone Acoustic Floor Mat is free of any tears or punctures.

### 2. Install Plywood Raft on Top of Floor Mat

- Combine two layers of 3/8" (or thicker), exterior, AC-grade plywood together. (Note: two layers of 1/2" plywood should be used with hardwood finished flooring.)

Select plywood that is uniform, flat, dry and free of defect to ensure that the finished floor is level. Allow the plywood to become acclimated to the environment so that the wood is dry and the moisture content has stabilized. This can be done by standing the panels on edge for several days in the rooms where they will be installed. It is recommended that all of the plywood raft pieces needed are pre-cut prior to assembly.

- Place one layer of plywood directly on top of the floor mat so the entire surface area is covered. Space the plywood panels so that there is a 1/8" gap between adjacent pieces of plywood and from wall.
- Apply an even coat of standard wood glue to the top surface of bottom layer of plywood, and then place a second layer of plywood onto glued surface. The second layer of plywood should be oriented perpendicular to the bottom layer with the joints staggered. The finished surface of the plywood forms the top surface of the raft. Space the plywood panels so that there is a 1/8" gap between adjacent pieces of plywood and from wall.
- Fasten the two layers of plywood together using 3/4" long wood screws spaced 12" apart across entire surface area, including the joints and perimeter. Use 1" long screws when 1/2" plywood is being installed.

*NOTE: Since wood is a natural material, it is susceptible to dimensional change. Providing a gap around all edges of the plywood panels should accommodate any dimensional change. However, in the event that the plywood raft does not lay evenly over the QuietZone Acoustic Floor Mat, one may selectively screw down the plywood raft (up to 16" oc) without significantly compromising the acoustic*

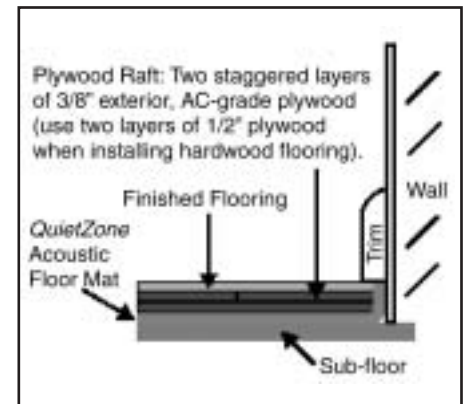
*performance of the system. Care should be taken to use wood screws that completely penetrate the subfloor without entering into the floor joists.*

### 3. Install Finished Flooring

- Install the finished flooring as recommended by the manufacturer.
- Ensure that the finished flooring is installed close enough to the wall so that the finishing trim will conceal the QuietZone Acoustic Floor Mat.

### 4. Clean-up

- Remove tape from wall.
- Trim away excess QuietZone Acoustic Floor Mat so that the mat is flush with the finished floor.
- Add baseboard of finishing trim as required.



# QUIETZONE® Acoustic Floor Mat

## Installation with Gypsum Concrete Raft

### Note: for use with

- hardwood
- vinyl
- ceramic tile
- wood laminate
- carpet and padding

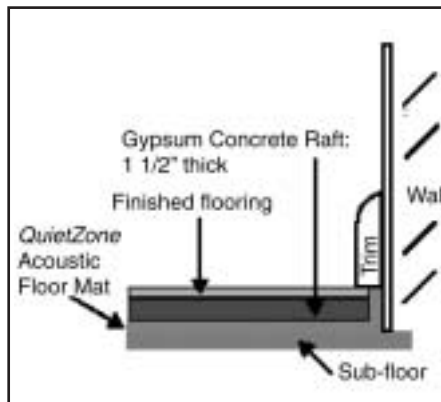
### 1. Install Floor Mat

- Roll out *QuietZone* Acoustic Floor Mat directly on top of the subfloor so that the entire floor surface area is covered and floor mat just touches the wall.
- Butt adjoining edges of floor mat against each other and tape all seams with standard (2" wide) building tape.
- Cut a strip of *QuietZone* Acoustic Floor Mat 3-4" wide and place strip along wall and tape edge to the floor mat on the subfloor.  
*Note: Floor mat strip should form a sealed, right angle with the floor mat on the subfloor.*

- Tape the top of the perimeter strip to the wall so that the gypsum concrete can fill the entire floor surface area.
- Ensure the *QuietZone* Acoustic Floor Mat is free of any tears or punctures.

### 2. Install Gypsum Concrete Raft on Top of Floor Mat

- Pour the lightweight gypsum concrete material per manufacturer's instructions on top of the *QuietZone* Acoustic Floor Mat so there is a layer of gypsum concrete at least 1-1/2" thick covering the entire floor surface area.



### 3. Install Finished Flooring

- After the raft has dried sufficiently according to gypsum concrete manufacturer's instructions, install the finished flooring as recommended by the flooring manufacturer.
- Ensure that the finished flooring is installed close enough to the wall so that the finishing trim will conceal the *QuietZone* Acoustic Floor Mat.

### 4. Clean-up

- Remove tape from wall.
- Trim away excess *QuietZone* Acoustic Floor Mat so that the mat is flush with the finished floor.
- Add baseboard or finishing trim as required.

**CAUTION: COMBUSTIBLE.** This product should not be exposed to open flames or other possible ignition sources. It may contain flammable vapors and should be stored in well ventilated areas. Further processing of the product may result in the localized release of flammable vapors. This product should be installed in such a way that it is separated from the building interior by a thermal barrier. Typical thermal barriers are a minimum of 5/8" plywood or 1" thick concrete. Please refer to the Material Safety Data Sheet for more information.



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