

## Installation Instructions

# Quiet Qurl<sup>®</sup> and Traditional Hardwood

A Noise Control Mat

### Prior to Installation

Check wall bottom plate requirements prior to mobilization to job site. Some finished floor heights will exceed that of a single plate wall. Review elevation changes at doorway entrance and at all interior doors, cabinetry and plumbing for transitions and differences. Review any issues with the general contractor. Ensure that the floor is clean and level. Remove gypsum droppings from wallboard installation and smooth any irregularities in plywood/OSB joints by trowel application of joint compound. Ensure that deflection of subfloor does not exceed  $L/360$  or tighter tolerance as per the finished floor system requirements.

### Quiet Qurl<sup>®</sup> Installation

1. A first layer of a vapor barrier must be installed in the room in hardwood locations.
2. Roll out the first piece of Quiet Qurl<sup>®</sup> abutting one of the walls, preferably along the longest length.
3. The edge of the next Quiet Qurl<sup>®</sup> piece must be placed adjacent to other pieces without gap. Tape or spray-adhere the 3" (10-cm) fabric overlaps snug to the fabric on the adjoining Quiet Qurl<sup>®</sup> strip.

### Perimeter Isolation Barrier Installation

1. Attach perimeter isolation such as self-adhering Quiet Qurl<sup>®</sup> Perimeter Isolation in an "L" configuration 1.0" on the mat and 3.0" up the wall. Ensure that the perimeter isolation material is at least 0.50 inch (1.3 cm) greater in height than the finished floor system.
2. Wrap the perimeter isolation material around all walls, penetrations and pipes, including cabinetry, plumbing and electrical junctions.

### 1.0" (25-mm) Minimum Plywood and Finished Hardwood Installation

1. Use two layers of plywood with a minimum thickness 0.50" (12-mm), glued and screwed together. Use urethane construction adhesive such as PL Premium by OSI, and 1.0" type "W" buglehead screws. Place screws on 12" centers, at least 0.75" from the edge of board. Stagger the seams so that none of the joints overlap. Space top and bottom layer by 1/16" for expansion and contraction. Use typical ceramic tile spacers to gauge proper dimension. Install traditional 0.75" hardwood with fasteners that do not penetrate the Quiet Qurl<sup>®</sup>.
2. Around all penetrations, fit the layered plywood system within 0.25" of the penetration edge and as close to the perimeter isolation as possible.
3. For ceramic tile areas, use a top layer of a cement backer board (Wonder board-type product, minimum 0.50" thickness), installed per manufacturer's recommendations.
4. Install cove base 1/16" off of the finished flooring assembly, spaced with wood pieces the thickness of toothpicks.
5. Caulk the joint at the termination with an acoustic caulk.

Please see the back side for more information ----->

## Quick View

# Installation Instructions for Quiet Qurl® and Traditional Hardwood



INSTALL MOISTURE VAPOR BARRIER ON FLOOR.



INSTALL QUIET QURL® CLOSE TO THE WALL, WITHIN 0.25”.



Remove plastic backing from the Zip-Strip. Firmly press down on the adhesive edge so that the mat remains snug to the fabric on the adjoining Quiet Qurl® strip. Adjoin all seams to prevent penetration into the core material during pour.

*If necessary, cover seams with tape (duct tape or cellophane tape) or spray adhesive (3M Super 77).*



Place Quiet Qurl® Perimeter Isolation on all walls at the junction of the Quiet Qurl® mat and the wall. Use the spray adhesive on the mat to bond the perimeter isolation permanently at that point. Do not spray on the wall. Place the Perimeter Isolation around all penetrations in a similar manner.

### Limitations:

1. Always use perimeter isolation on all walls and penetrations where QUIET QURL will be installed.
2. Always use bulk head to define the area where QUIET QURL will be installed and where carpeted areas without sound mat will begin (see KEENE IDEA).
3. Compressive strength should be a minimum 2000 psi for gypsum underlayment.
4. Gypsum underlayment can crack at doorways and outside corners, consider reinforcement in those areas.
5. Heavy traffic areas and a confluence of doorways can be prone to cracking, consider reinforcement in those areas.
6. ADA units with constant wheeled traffic can be prone to cracking, consider thicker underlayment, reinforcement and floor finishes that spread the load over a greater area.
7. Field sound tests cannot be guaranteed since each component in the assembly and its installation are critical to overall STC and IIC performance.

LIMITED WARRANTY: Keene Building Products, Inc. warrants to the initial purchaser only that the goods sold hereunder will be free from defects in material and workmanship and, except as otherwise set forth herein, will conform to the specifications provided. If any failure to meet this warranty appears within one year from the date of shipment of the goods, on the condition that Keene Building Products, Inc. will correct any such failure by either replacing or repairing any defective goods, at Keene Building Products, Inc.'s option.

The preceding paragraph sets forth the exclusive remedy for all claims based on failure of or defect in the goods sold hereunder, whether such failure or defect arises before or during the warranty period and whether a claim, however instituted, is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The forgoing warranty is exclusive and is in lieu of all other warranties whether written, oral, implied or statutory.

QUIET QURL is a component in an overall floor/ceiling assembly. Its performance is affected by every other component and the likelihood of achieving code compliance is contingent upon many other trades including framers, plumbers, drywall contractors to name a few. Developers and general contractors are responsible for building properly and testing field performance as soon as possible in order to assure the reliability of the project.

**WARNING:** Laboratory tests are not a guarantee of field performance because of the issues noted above and many other design errors that may occur. Please consult a professional acoustical consultant to assure plans are proper and that the floor/ceiling assembly can perform to expectations.



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