Installation Instructions

Quiet Qurl® and Gypsum Concrete

Noise Control Mats

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. Patch any holes and fill any joints in the plywood or OSB with patching compound to prevent leaks. Ensure that deflection of subfloor does not exceed L/360 or tighter tolerance as per the finished floor system requirements. Look for areas with a confluence of corners and doorways and consider secondary reinforcement.

Quiet Qurl® Installation

1. Quiet Qurl® is laid directly over the concrete, plywood or OSB subfloor, with the black mesh/entangled net facing down and the fabric side up. The Quiet Qurl should be pushed up tightly to the gypsum wall board ; the gap between the floor and wall should not exceed 0.25 inches (6-mm). After installation the isolation barrier should be installed to cover gaps between sound mat and the wall (see below for complete instructions).
   Alternatively, the Quiet Qurl can be pushed up tightly to the isolation barrier that was previously installed around the perimeter of the floor. The gap between the floor and wall should not exceed 0.25 inches (6-mm).
2. Quiet Qurl edge must be placed adjacent to other pieces without gap. Remove plastic backing from the Zip-Strip to expose the adhesive edge along the 3 inches (10-cm) fabric overlaps. 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 2” inch wide cellophane tape). Alternatively, spray adhesive such as 3M Super 77 may be used to adhere the fabric overlaps.
3. At all doorways, use extra pieces of scrap Quiet Qurl® as reinforcement by flipping the material black core up.

Perimeter Isolation Barrier Installation

1. For best installation practices, it is recommended that the Quiet Qurl product in use be installed prior to a perimeter isolation barrier such as Quiet Qurl Perimeter Isolation with Quik Stik or another foam strip.
2. In such cases, attach Quiet Qurl® Perimeter Isolation or equivalent with a fast setting adhesive to wall in a “L” shaped form covering seam created between the Quiet Qurl mat and wall. Alternatively, the Quiet Qurl® with Quik Stick or equivalent may be applied directly to wall with fast setting adhesive before the sound mat installation. If done before installation of the Quiet Qurl sound mat then the perimeter must be covered with tape.
3. If Perimeter Isolation is installed straight, use paper wall board tape as a double lap at all corner seams and tape flat to floor and perimeter isolation. SEE Keene IDEAS for details.
4. Wrap the perimeter isolation material around all walls, penetrations and pipes, including cabinetry, plumbing and electrical junctions.
5. For projects in which only hard surfaces receive Quiet Qurl but are completely poured with gypsum concrete transition jabs must be provided with QQ Perimeter Isolation. Jam can be created with wood or “L” termination bar. SEE Keene IDEAS for details.

Primer

Quiet Qurl MC does NOT require a primer. **Only Quiet Qurl RF version products must be primed**. Primer is a re-emulsifiable latex or VAE primer such as GSL® Primer. Coverage rate is approximately 270 ft²/gal.

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

Pumping Gypsum Concrete over Quiet Qurl

Start pumping the gypsum concrete to appropriate minimum depth (see chart below).

Different Versions of Quiet Qurl require different thicknesses of **gypsum concretes**:

Versions of Quiet Qurl®	MC	RF	MT
QUIET QURL 013	0.75”	0.75”	0.875”
QUIET QURL 025	1.0”	0.75”	1.0”
QUIET QURL 040	1.0”	1.0”	1.25”
QUIET QURL 075	1.5” WITH RWT	1.5” WITHOUT RWT	1.5” WITH RF OR RWT

PRECAUTIONS:

1. Consult gypsum manufacturer for proper water content. Overwatering can cause a breech of the Quiet Qurl fabric.
2. Walk mat installation before pumping, and review all details.
3. Retrofit of old wood construction requires a roofing felt, asphalt emulsion, mastic or poly sheet on the subfloor for moisture leak prevention.
4. After Quiet Qurl mat is rolled out on floor try to minimize traffic before pouring gypsum concrete on top.

For more information or questions on the various Quiet Qurl installation processes, please contact our office: 877-514-5336

Roll out Quiet Qurl mat on the floor with black core touching the adjacent black core, and the fabric flap overlapping the adjacent piece. Edge must be placed adjacent to other pieces without gap.

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.

When the adhesive and taping is complete, pump gypsum concrete over top of mat.

See above chart for how much gypsum concrete to pour.

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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