



QuietRock 527 Installation Instructions

Read all instructions before installation. Remember: Safety first!

Using QuietRock is similar to using standard drywall. The panels have been used in thousands of successful projects, large and small, and require little additional labor or training versus standard drywall. Remove all edge tape before use.

- Hang QuietRock like standard drywall
- Score panel deeply on both sides, snap down over a straight edge, cut paper beneath score line
- QuietRock 527 panels weigh slightly more than standard 15.9 mm (5/8") drywall
- No resilient channels, or clips are required with QuietRock.
- Finish the same as standard drywall (mud, tape, texture and paint are all the same)
- When used properly, QuietRock may provide 15 to 20 dB more isolation when compared to standard drywall. See tested assemblies and solutions (separate document) for specific details.

NOTE: As with all drywall products, hang QuietRock immediately or store flat in a dry location. Protect QuietRock materials from exposure to moisture during the construction or remodeling process, from product storage to project completion. Moisture or water can cause problems with any drywall product, including QuietRock. Do not cover with plastic for extended periods, as that may allow condensation. To complete the installation of QuietRock and maximize its acoustic performance, it is recommended that you use QuietSeal between the interior joints and QuietPutty in any penetrations such as electrical outlets, HVAC ducts, water hookups and cables. Not using QuietSeal and QuietPutty may compromise the acoustical results of the installation.

The QuietRock line of engineered products is a sound isolation panel designed to replace standard drywall in any wall or ceiling construction, including wood and metal studs. QuietRock 527 is a multilayer gypsum/cement board product which includes highly engineered internal damping layers which provide dramatically increased transmission loss. QuietRock can be used with a variety of standard framing techniques including single, staggered and double stud construction. You may use QuietRock panels similarly to other 15.9 mm (5/8") gypsum wall products. Please completely read the instructions below before beginning installation and be sure to always follow all OSHA safety guidelines when installing any Serious Material product.

As with any other acoustically treated assembly, all air gaps and penetrations must be treated with non-hardening acoustical sealant and putty pads as specified by the manufacturer.

Using QuietRock

CUTTING THE PANEL:

- 1) QuietRock 527 may be scored with any utility blade or a carbide cutter. We have found that the best blade is the Irwin Blue Blade (available at most building supply dealers).
- 2) Score QuietRock 527 deeply on both sides, making sure to cut the paper in the center of the board, and snap against a straight edge.

Note that this type of score and snap requires somewhat more care and pressure than a score and snap of a regular gypsum board. Large projects may find it simpler and quicker to use an electric drywall saw (e.g. a worm drive Skilsaw) with a vacuum attachment and a Rotozip with carbide blades for cutouts and corners.

HANG AS USUAL:

3) Secure QuietRock to the studs using appropriate #6 or #7 Bugle Head 41 mm to 51 mm (1-5/8" to 2") drywall screws (every 305 mm to 406 mm (12" to 16") or as required by code) and a high torque screw gun. Use coarse thread for wood studs and fine thread for metal studs. Nails may also be used. You may also place QuietRock 527 over existing drywall in retrofit applications. Be sure to use screws or nails, and not glue, in hanging QuietRock.*

4) Finish securing the QuietRock to the studs with drywall screws. The screw head should go just below the surface of the paper. Be careful to drive the screws only enough to dimple the surface; it's easy to over tighten and cause the screw head to go all the way through the paper surface. If you accidentally break through the surface, drive another screw nearby. We recommend using a high torque screw gun.

5) Apply 3 mm – 10 mm (1/8" – 3/8") bead of sealant, such as QuietSeal, around the entire perimeter of the wall [or ceiling for the ceiling instructions] and filled in between any seam that is not backed by a stud or joist. For further noise protection, before putting up each sheet, apply 3 mm – 10 mm (1/8" – 3/8") bead of sealant, such as QuietSeal, around the panel perimeter (on the edges of the panel) and then install the adjacent sheet of QuietRock, "squeezing" QuietSeal between them. Be sure to remove excess sealant with a rag (any paint thinner easily removes the sealant) or putty knife as needed. **DO NOT LEAVE ON THE SURFACE, AS IT CAN INTERFERE WITH TAPE AND MUD.** QuietSeal will remain viscoelastic, i.e. not dry, so it is necessary to tape and texture over the joints. Always use QuietSeal, or similar, around electrical boxes and at the wall perimeter to seal all air gaps completely. See QuietSeal instructions for more detailed information and apply QuietSeal in accordance with applicable requirements of ASTM C919.

6) Use QuietPutty®, or similar, behind outlet or other boxes. Wrap the putty completely around the back side of the box.

*When using QuietRock over existing masonry or concrete construction, it is first necessary to "fur it out" by attaching wood furring, 64 mm (2-1/2") steel studs, or hat-channel. This is not required when using QuietRock over existing gypsum wallboard.

FINISH AS USUAL:

7) After the QuietRock is in place, apply drywall tape along the joints between the two pieces of drywall. The tape helps hold the drywall compound in the gap.

8) Use a wide drywall knife to spread joint compound over the tape. Don't try to fill the entire gap all at once; apply a little at a time, and allow it to dry before applying a second coat.

9) Cover the screw heads with drywall compound.

10) Allow the joint compound to dry then sand it smooth. Wear breathing protection during this step because the process generates a lot of dust.

11) Apply a second coat of drywall compound, allow it to dry, and sand it smooth. Repeat the process as necessary until the wall is perfectly smooth then finish the walls as desired. **BE SURE TO FOLLOW THE COMPOUND MANUFACTURERS INSTRUCTIONS.**

Using QuietRock 527 in Ceiling Construction

To use QuietRock 527 in a ceiling application, simply follow the above instructions for walls. The only difference in installation will be the number of screws used to hold the panel in place. **CONSULT LOCAL BUILDING CODES ON SCREW PLACEMENT.** We recommend screws in rows 610 mm (24") apart, and in 305 mm (12") along the rows, or consulting with a professional to determine what is needed for your particular application. It is advised that you use a drywall hanger lift to install any drywall on ceilings properly.

General Notes

Use normal care and precaution when working with Serious Materials products:

- When cutting or scoring drywall, follow OSHA regulations concerning exposure to gypsum dust, to gypsum dust, including wearing appropriate protective masks if required.
- Lift the panels using OSHA guidelines, e.g. do not bend over and lift using back muscles; instead use the leg muscles.
- QuietRock contains no materials more hazardous than standard drywall. Dispose of excess QuietRock in the same responsible manner as you would any building material.

The QuietRock Solution

