QuietRock 510 Installation Instructions

Read all instructions before installation. Remember: Safety first!

QuietRock is very similar in use to standard drywall. The panels have been used in 1000's 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 510 panels weigh about the same as standard 1/2" drywall
- No special labor is required to install QuietRock 510
- No special training is required to install QuietRock 510
- No resilient channels, or clips are required with QuietRock, and their use will NOT improve performance
- 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 it in a dry location. Protect the 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.

The QuietRock line of engineered products is a sound isolation panel designed to replace standard drywall in any wall, including wood and metal studs, and as the base layer on a ceiling with a 5/8" panel applied over it. QuietRock 510 is a multilayer gypsum board product which includes highly engineered internal sound 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 ½" gypsum wall products. The panels can be snapped, drilled, cut and attached to the frames. Please completely read these instructions bellow before beginning installation and be sure to always follow all OSHA safety guidelines when installing any Serious Materials 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

SCORE AND SNAP:

1) QuietRock 510 may be scored with any utility blade. We have found that the best blade is the Irwin Blue Blade (available at most building supply dealers).

2) Score QuietRock 510 deeply (2 times to a depth of 1/4") on one side, making sure to cut the paper in the center of the board, and snap against a straight edge.

HANG AS USUAL:

3) Secure QuietRock to the studs using appropriate #6 or #7 Bugle Head 1 5/8" to 2" drywall screws (every 12" to 16" or as required by code). Use coarse thread for wood studs and fine thread for metal studs. Nails may also be used. You may also place QuietRock 510 over existing drywall in retrofit applications, except on ceilings. Be sure to use screws or nails, and not glue, in hanging QuietRock.*

4) Finish securing the QuietRock panel 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.

5) Apply 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 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.

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 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 wall as desired. BE SURE TO FOLLOW THE COMPOUND MANUFACTURERS INSTRUCTIONS.

*When using QuietRock over existing masonry or concrete construction, it is first necessary to "fur it out" by attaching wood furring, 2 ½" steel studs, or hat-channel. This is not required when using QuietRock over existing gypsum wallboard.

General Notes

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

- When cutting or scoring large amounts of drywall, follow OSHA regulations concerning exposure 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.
- See MSDS for further information

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