



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 thousands of successful projects, large and small, and require almost no additional labour or training versus standard drywall. Serious Materials has done an excellent job labelling the blue tape (that surrounds the product edges) to notify installer that this tape must be removed.

- Hang QuietRock like standard drywall
- Simple score and snap
- QuietRock 510 panels weigh about the same as standard 12.7 mm (1/2") drywall
- No special labour is required to use QuietRock 510
- No special training is required to use 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 in a dry location. Protect the QuietRock materials from exposure to moisture during the construction or remodelling 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 or ceiling construction, including wood and metal studs. QuietRock 510 is a multilayer gypsum/cement board product which includes highly engineered internal damping layers that 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 just like any other gypsum wall product. The panels can be snapped, drilled, cut and attached just like drywall. Please completely read these instructions below before beginning installation and always be sure to follow all OSHA safety guidelines when installing any Quiet Solution product.



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 (6 mm 1/4") on one side, making sure to cut the paper in the centre of the board, and snap against a straight edge like regular drywall.

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. 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. 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.
- 5) Optionally, before putting up the next sheet, apply 3 mm – 10 mm (1/8" - 3/8") bead of QuietSeal around panel perimeter (on the edges of the panel). Then install the adjacent sheet of QuietRock, "squeezing" the QuietSeal in between them. Be sure to remove excess QuietSeal with a rag (any paint thinner easily removes QuietSeal) or putty knife as needed. **DO NOT LEAVE QUIETSEAL 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 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. You may also use QuietPutty behind outlet boxes for best acoustic isolation.



Finish as Usual:

- 6) After the QuietRock is in place, apply drywall mesh tape along the joints between the two pieces of drywall. The mesh tape helps hold drywall compound in the gap.
- 7) Use a wide drywall knife to spread joint compound over the mesh 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.
- 8) Cover the screw heads with drywall compound.
- 9) Allow the joint compound to dry, then sand it smooth. Wear breathing protection during this step because the process generates a lot of dust.
- 10) 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 MANUFACTURER'S INSTRUCTIONS.**

*When using QuietRock over existing masonry or concrete construction, it is first necessary to "fur it out" by attaching 64 mm (2-1/2") 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