



Efficient Sound Control

For Contractors

QuietRock[®]

sound reducing drywall

by  PABCO Gypsum



QUIETROCK® BY PABCO® GYPSUM







QuietRock® by PABCO® Gypsum is the first and most technically advanced sound reducing drywall in the industry. The product achieves high sound attenuation and fire-resistance in one panel using less space, less material and less labor than conventional alternatives. A part of the PABCO Gypsum product portfolio, you gain the benefit of working with a company that is known for providing consistently high-quality drywall, personal high-touch service, and technical advice from experts in the field.



THE QUIETROCK® ADVANTAGE

Construction professionals that specify QuietRock in their projects can eliminate the need for more costly and labor intensive alternatives such as resilient channel (RC) and multi-layer assemblies. QuietRock installs and finishes just like any standard gypsum panel product, requiring no special training to use.

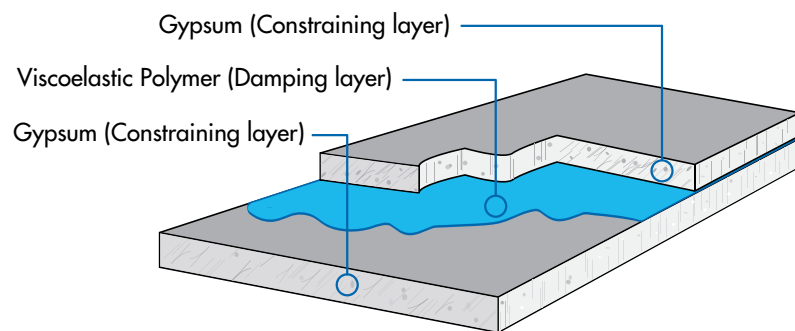


 <p>HIGH ACOUSTIC PERFORMANCE —rivals common noise control methods like resilient channel, sound clips, sound board, mass loaded vinyl and multi-layer gypsum panels</p>	 <p>LOW COST—sound attenuation at a lower installed cost compared to other methods</p>
 <p>EASY INSTALLATION—scores, cuts and installs like standard drywall</p>	 <p>THOROUGHLY TESTED AND RELIABLE—More than 112 ASTM tested assemblies and individual STC reports published and 96 UL independent UL/ULC designs</p>
 <p>SAVES SPACE—achieves high STC results without sacrificing valuable floor space compared to traditional multi-layer or decoupled installations</p>	 <p>PROVEN—installed in thousands of successful projects across the U.S. and Canada</p>

HOW QUIETROCK WORKS

QuietRock reduces noise by using constrained layer damping (CLD) technology. CLD panels contain a viscoelastic polymer layer that allows the gypsum layers to independently shear, dissipating the acoustic energy of the sound wave. This results in less audible energy passing through the board.

CONSTRAINED LAYER DAMPING



Cross section of a QuietRock CLD panel.

MONEY IN YOUR POCKET WITH QUIETROCK

The industry standard for sound attenuation, QuietRock delivers reliable acoustic performance at a low installed cost—saving time, labor, materials and valuable floor space.



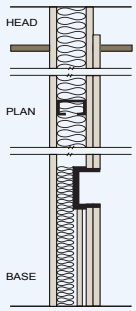
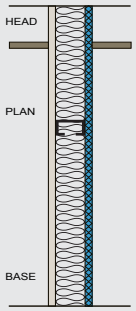
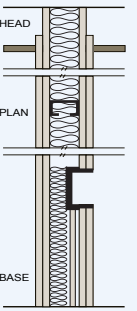
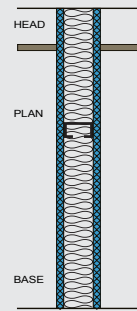
TOTAL INSTALLED COST IS LOWER WITH QUIETROCK ES

	QuietRock® On One Side	Multiple Gypsum	Resilient Channel On One Side
Sound Rating	STC 51 (NOAL 17-0538)	STC 46 (NOAL 17-0515)	STC 52 (NOAL 17-0533)
Design			
Description	5/8" Type X Gypsum Board 3-5/8" 19 mil (20 ga.), 24" O.C. 3-1/2" R13 insulation 5/8" QuietRock Type X	2 layers 5/8" Type X Gypsum Board 3-5/8" 19 mil (20 ga.), 24" O.C. 3-1/2" R13 insulation 2 layers 5/8" Type X Gypsum Board	5/8" Type X Gypsum Board 3-5/8" 19 mil (20 ga.), 24" O.C. Resilient Channel @ 24" O.C. 5/8" Type X Gypsum Board
COST/ ft²*	\$	\$\$	\$\$\$
Labor Hours/ ft²	.06 hrs/ ft²	.08 hrs/ ft²	3.2 hrs/ ft²
Labor Cost	\$4.12	\$5.40	\$6.50
Material Cost	\$2.78	\$2.53	\$1.91
TOTAL	\$6.90	\$7.93	\$8.41
*RS Means Construction Data National Average, Union Shop Q1 2020 – Material and labor costs include overhead and profit.			

Using QuietRock shortens installation time so you can move onto your next project quicker. With less materials required for installation, fewer workers are needed to complete the build. Reducing labor costs, jobsite deliveries, waste, and inspections means more money in your pocket.

QUIETROCK IN ACTION: CALIFORNIA MEDICAL CENTER, SAN FRANCISCO, CA

The hospital required different STC requirements for their walls depending on where the walls were situated. For example, walls between patient rooms and bathrooms required an STC of 45. Walls between exam rooms and public spaces and consultation rooms required an STC of 50. The initial specification for the STC 45 wall design called for 3 layers of Type X gypsum board and the STC 50 wall was originally designed using 4 layers of Type X gypsum panels. As you can see, QuietRock ES outperformed the multi-layer gypsum panels for each of the STC requirements.

Required STC 45 Wall		Required STC 50 Wall	
3 Layers Type X	1 Layer QuietRock ES	4 Layers Type X	2 Layers QuietRock ES
			
FAIL - STC 44	PASS - STC 49	FAIL - STC 47	PASS - STC 53
Construction: 54 mil (16 ga.) steel framing, 16" O.C.			
Source: Acoustic performance test by WEAL (Western Electro-Acoustic Laboratories), a NVLAP-accredited laboratory (National Voluntary Accreditation Program).			

PRODUCTIVITY ANALYSIS

IMPROVED STC AND LOWER COSTS WITH QUIETROCK

Replacing double layer of gypsum with a single layer of QuietRock resulted in the following:

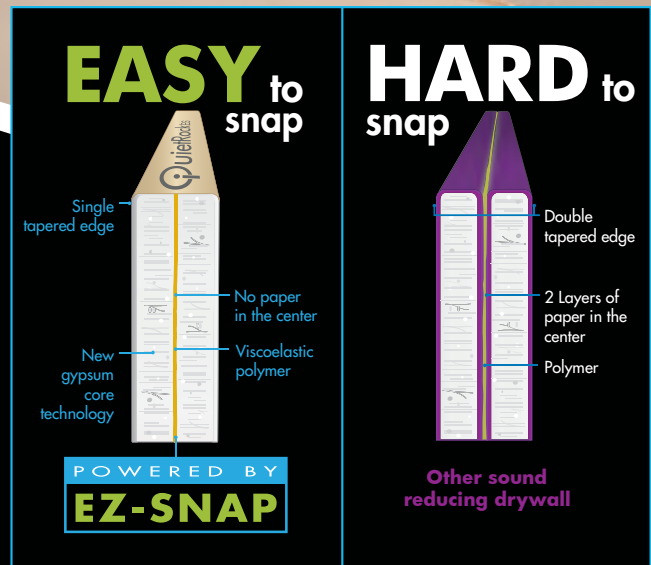
- **5** STC points higher than multi-layer gypsum assembly
- **101,339** fewer square feet of gypsum
- **13** fewer truck deliveries to the job site
- **178** carpenter man days saved on the job
- **10,000+** Less drywall fasteners used
- **2-3** fewer code inspections per assembly
- **1,300** square foot increase in living space



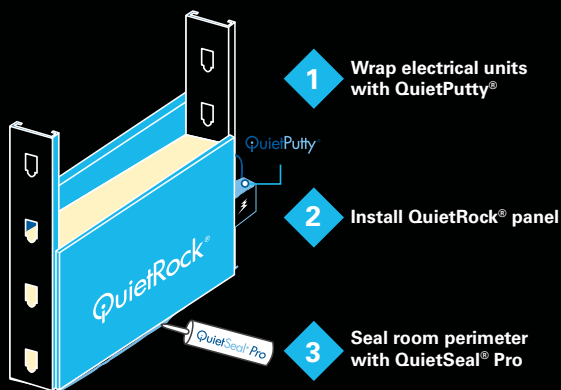
EASY INSTALLATION WITH QUIETROCK

QUIETROCK ES—WITH EZ-SNAP® TECHNOLOGY

With its patented EZ SNAP® technology, QuietRock ES easily scores and snaps just like standard gypsum panels. There is no paper or metal in the center of the panel making it easier to score, cut and install resulting in less time and labor costs than other acoustical treatments.



The Quiet® Sound Damping System in 3 easy steps:



QUIET® SOUND DAMPING SYSTEM FOR OPTIMAL ACOUSTIC PERFORMANCE

To maximize and maintain the acoustic performance of assemblies it's important to use the complete QuietRock® system. This includes QuietSeal® Pro and QuietPutty®.

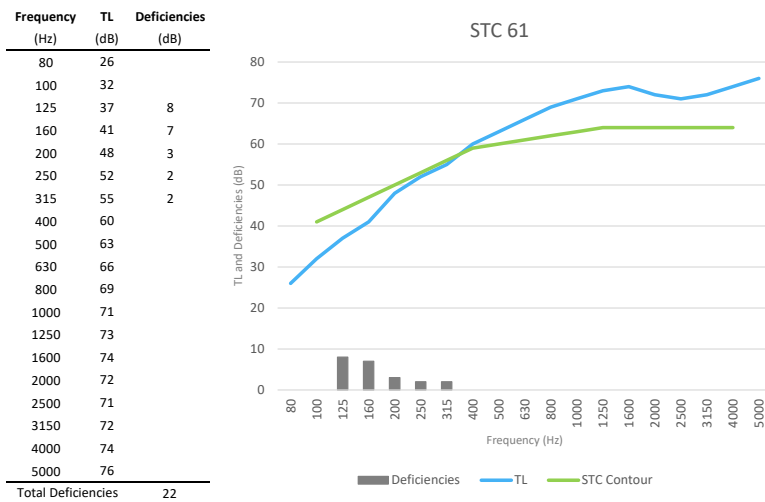
- QuietSeal Pro should be used around the perimeters of the walls to prevent noise leaks in your assembly.
- QuietPutty should be used on electrical outlet boxes, rocker switches, HVAC ducts, water hookups, cable systems or any other penetrations in the wall.

DEDICATION TO ACOUSTIC TESTING

PABCO® Gypsum has conducted nearly 1,000 ASTM E90 Sound Transmission Loss (STL) tests with varying framing and panel configurations. This level of testing and analysis on building noise control is rare and reflects PABCO Gypsum’s commitment to the development and progress of the building construction industry. You can be confident that the tested assemblies when built will meet your expectations. In addition, we test our assemblies for fire and sound so you don’t have to guess the STC performance when you build to the fire-rated assembly details.



VERIFIED RESULTS FROM ACCREDITED LABORATORIES



TL graph showing transmission loss for the tested wall assembly

RECOGNIZED BY OUR CUSTOMERS

“ The architect’s drawing notes called for Constrained-Layer Damping panels. We recommended QuietRock because of the R&D effort and money PABCO has invested in CLD products and the resulting lab test information available to consultants. ”

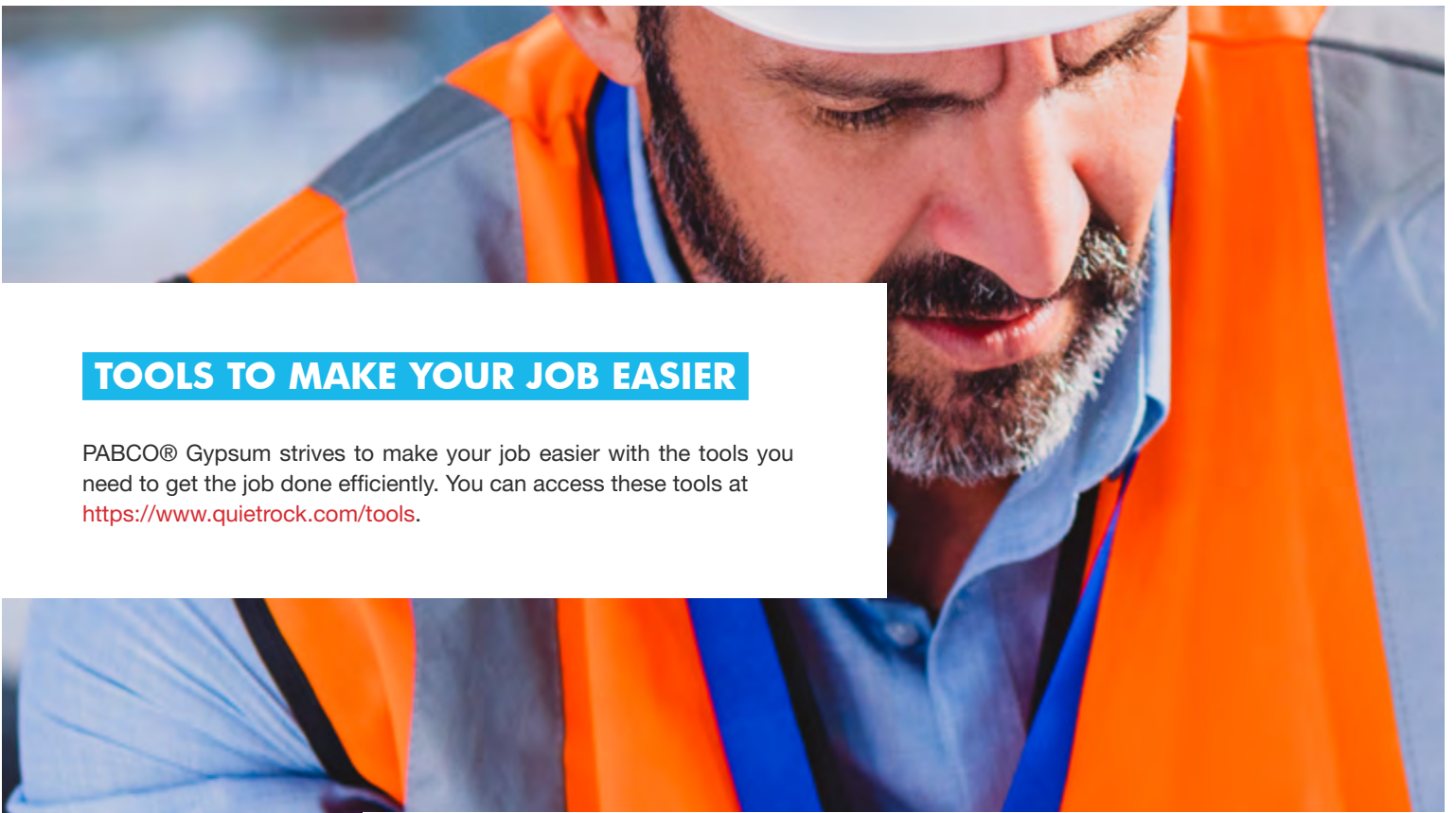
David E. Marsh, FASA

President, Principal

Marsh/PMK International, LLC

Professional consulting firm specializing in acoustics and audiovisual design

Project: Corporate Office with Full Height Partitions for Executive Offices



TOOLS TO MAKE YOUR JOB EASIER

PABCO® Gypsum strives to make your job easier with the tools you need to get the job done efficiently. You can access these tools at <https://www.quietrock.com/tools>.



THE SOUND DESIGN GUIDE

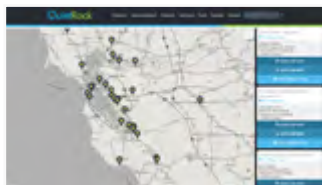
A transparent resource for fire and sound information with more than 100 assemblies providing STC and fire ratings



ON CENTER SOFTWARE

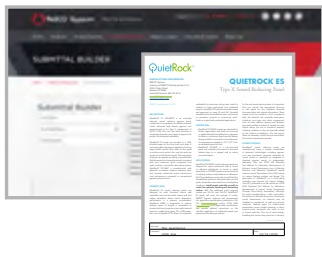
You can now access our products through On Center's On-Screen Takeoff® and Quick Bid® simplifying and accelerating your bid development process





ONLINE DEALER LOCATOR AND SUPPORT

QuietRock products are available through a vast network of distributors throughout the United States and Canada, and supported by a dedicated sales and technical team.



SUBMITTAL BUILDER

Easily build your submittal by selecting the products and entering project information. Your customized submittal sheets can be downloaded and printed when you need them.



QUIETROCK PRODUCT PORTFOLIO

QuietRock products are suitable for commercial and residential projects most frequently used for education, healthcare, hospitality, entertainment, single and multi-family residential applications.

DRYWALL	PRODUCT	THICKNESS	DESCRIPTION	APPLICATIONS	INSTALLATION
	510	1/2" Regular	Lowest cost QuietRock panel option	Ideal for remodels and upgrades - installs over existing walls, with no demolition	Installs and finishes like standard gypsum panels, no special tools required.
	ES	5/8" Type X	The only Type X sound damping panel with easy score & snap technology	Hospitality, healthcare, education, single and multi-family applications	Easy installation. Scores, cuts and installs like standard drywall.
	ES MR	5/8" Type X	The only mold resistant Type X sound damping panel with easy score & snap technology	Hospitals, schools, government projects and other mold sensitive applications	Easy installation. Scores, cuts and installs like standard drywall.
	530	5/8" Type X	Heavy duty, impact and shear resistant, Type X	For use in high traffic or areas prone to impact abuse such as hallways, stairwells, and corridors	Score with carbide cutter or electric drywall saw. Installs and finishes like standard drywall.
	530 RF	5/8" Type X	Impact-resistant Type X with radio frequency (RF) shielding material	High security environments such as SCIF, government offices and healthcare facilities	Special installation-see QuietRF Install Instructions on QuietRock website.
545	1-3/8"	Highest sound isolation performance at low frequencies (50 Hz to 100 Hz)	Commercial and home theaters, studios, and sound rooms	Score with carbide cutter or electric drywall saw. Installs and finishes like standard drywall.	
ACCESSORIES	PRODUCT	UNIT SIZE	DESCRIPTION	APPLICATIONS	INSTALLATION
	QuietPutty	1/8" thick, 7" x 7"	Fire resistant acoustical putty designed to preserve the performance of STC rated assemblies	Use on electrical outlet boxes, rocker switches, HVAC ducts, water hookups, cable systems or other penetrations	Clean, easy to use and requires no tools to apply
	QuietSeal Pro	28 oz. Tube	Non-hardening acoustical sealant to maintain optimum acoustic performance	Apply around perimeters of walls, ceilings and floors to prevent noise leaks	Easy to use, fits any standard caulking gun, hassle free cleanup
	QuietSeam RF	1-gallon pail	Conductive sealing and bedding compound to reduce radio frequency transmission in construction of walls, ceilings, and floors	Use with QuietRock 530 for high security environments	Special installation-see QuietRF Install Instructions on QuietRock website
	QuietRF Tape	3/4" Roll 1-5/8" Roll	Conductive tape for repairing QuietRock 530 RF edge during installation connecting metal-to-metal surfaces	Use with QuietRock 530RF and QuietSeam RF for SCIF installations	Special installation-see QuietRF Install Instructions on QuietRock website
	QuietGlue Pro	28 oz. Tube	High performance, low cost acoustical compound to create CLD lamination in the field	For small DIY and commercial projects such as subfloor laminations, curved walls, coffered ceilings	Apply glue evenly on drywall or wood; attach to installed panel using appropriate fasteners
QuietCoat	1-gallon pail 5-gallon bucket	Paintable or sprayable viscoelastic polymer for noise and vibration damping on metal or plastics	Plumbing and sewer pipes, electrical and mechanical enclosures, appliances, HVAC equipment. For use on steel, aluminum, brass, copper, alloys, and plastics.	Easily applied on any non-porous surfaces by brush, roller, or spray	



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QuietRock® 37851 Cherry Street Newark, CA 94560 United States | 800.797.8159 | www.QuietRock.com | PN: 102-00033-060120