



MANUFACTURER INFORMATION:

PABCO® Gypsum
a division of PABCO® building products, LLC
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www.PABCOgypsum.com
www.QuietRock.com

PABCO® Specification PGS-021

DESCRIPTION:

QuietRock® EZ-SNAP® (ES) is a sound reducing, constrained-layer damped (CLD) gypsum panel, comprised of a proprietary viscoelastic polymer center, enhanced high density gypsum core manufactured to meet or exceed ASTM C1396. The core has been bisected to completely eliminate inner layers of paper in the product for enhanced workability.

QuietRock® ES panels are encased in 100% recycled paper on the face, back, and sides. A non-removable edge tape is applied to the long edges folded around both sides of the panel to reinforce and protect the core; the ends are square cut and finished smooth. The long edges of panels are tapered providing a recessed area that allows joints to be reinforced and concealed with joint treatment (joint compound and tape) creating a monolithic decorating surface. QuietRock® ES is manufactured with a patented viscoelastic polymer damping layer that provides enhanced Sound Transmission Class (STC) performance compared to conventional gypsum panel products.

PRIMARY USES:

QuietRock® ES sound reducing panels are designed for both fire-resistance rated interior wall assemblies and non-fire-resistance rated interior wall and ceiling assemblies where sound attenuation performance is a primary consideration. QuietRock® ES is engineered to replace multiple layers of drywall in assemblies to shorten build and inspection time with minimal impact to usable floor space. The 100% paper-free core of QuietRock® ES allows for improved workability by reducing cutting time. QuietRock®

QUIETROCK ES

Type X Sound Reducing Panel

ES panels have been tested and approved on many fire-resistance assemblies and are suitable for new construction or renovation projects in commercial, multi-family or single-family residential applications.

LIMITATIONS:

- QuietRock® ES panels are intended for interior applications, and shall not be stored or applied where there will be direct exposure to water or continuous high humidity before, during, or after construction.
- Avoid exposure to temperatures exceeding 125° F (52° C) for an extended period of time.
- QuietRock® ES is a non-structural panel; not intended to be used as a structural fastener base or to support wall or ceiling mounted objects.

APPLICATION:

QuietRock® ES panels are designed for direct mechanical (nail or screw) or adhesive attachment to wood or metal framing. QuietRock® ES panels may also be attached to existing surfaces using fasteners or adhesives. **Install panels vertically on walls to create the optimum finishing and decorating surface.** QuietRock® ES will achieve any level finish as easily as standard gypsum panels when finished per GA 214. With the wallboard joints properly treated, QuietRock® ES panels will resist the passage of smoke. PABCO® Gypsum endorses and recommends GA-216 (www.gypsum.org) and ASTM C840 (www.astm.org) as its application specification.

For fire and sound rated systems it is important to consult the appropriate listing or test report for the complete assembly documentation and related information. These systems must be installed in strict compliance with the detailed test assembly description, including core types and other components such as studs, fastener

spacing and fastener type and installed as tested. To qualify for listed sound ratings, the use of acoustical sealants/caulking, acoustical putty, insulation or clips are generally added to the systems as detailed in the test report. When an assembly is both fire and sound rated, the strictest requirements prevail.

SOUND CONTROL:

QuietRock® ES panels are manufactured using a unique combination of patented technologies including gypsum core and viscoelastic polymers designed for sound control in partitions as compared to standard gypsum panels. In independent laboratory tests per ASTM E90 (Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements), QuietRock® ES panels improve STC ratings on various framing materials. The application of QuietRock® ES on a floor/ceiling assembly may improve the Impact Isolation Class (IIC) performance as lab tested per ASTM E492 (Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies). Although the word soundproofing is often used within the industry to describe the process of reducing sound transmission, no material may be classified as soundproof. As with any acoustic treatment, flanking paths (i.e. back-to-back penetrations, poorly sealed openings, or direct room-to-room ductwork) can result in loss of sound reduction. The use of good design, handling and construction practices is critical to any acoustically-rated and/or fire rated assembly. This includes sealing all penetrations and wall perimeters with acoustically rated sealants (i.e. QuietSeal® Pro and QuietPutty®).

continued on back

Job name:	
Contractor:	Date:

FIRE RESISTANT RATINGS:

Fire-Resistance Rated Designs are promulgated from tests performed at IAS* certified independent testing laboratories. These designs include specific materials assembled in a precise configuration. When choosing construction details to achieve specific fire-resistance rated requirements, care must be taken to ensure that each component of the specified assembly is the proper one specified in the referenced fire-resistance rated design, and assembled in accordance with the specific requirements of the assembly.

QuietRock® ES is third party labeled and inspected by Underwriters Laboratories (UL). Approved fire-resistance rated designs are available on www.quietrock.com.

STORAGE & HANDLING:

Store all QuietRock® gypsum panels flat; do not store on edge as panels are heavy and may fall over causing injury or death. Store in an area that offers protection from adverse weather conditions, condensation and other forms of moisture. Avoid jobsite conditions that expose gypsum panels to water or moisture. Plastic shipping bags are temporary, and intended for protection during transit only, and shall be removed promptly upon arrival. Store gypsum panels under protected cover, off the ground with sufficient support to prevent sagging. Exercise proper care to avoid impact, scuffing of the paper faces, undue flexing, and damage to board edges, corners, and ends. Refer to GA-801 for Storage and Handling specifications.

WARRANTIES & REMEDIES:

Current warranty information for this product is available online at www.QuietRock.com.

LEGAL NOTICES:

QuietRock® ES is covered by patent U.S. number 7,798,287, 7,799,410, and 7,908,818. PABCO® Gypsum, the PABCO® logo, what the job demands™, QuietRock®, QuietSeal® Pro, EZ-SNAP® and QuietPutty® are trademarks or registered trademarks of Pacific Coast Building Products, Inc. and licensed to PABCO® Gypsum in the United States and other countries. Products described herein may not be available in all geographic markets. Consult your QuietRock® or PABCO® Gypsum sales representative for information. Product features and information subject to change without notice.

QUIETROCK ES

Type X Sound Reducing Panel

PRODUCT DATA, SIZES & TYPES:

Product	Thickness	Width	Length ¹	Edge Type	Weight ²	UL Core Type
QuietRock® ES Type X	5/8" (15.9 mm)	48" (1219 mm)	8' (2438 mm) 9' (2743 mm) 10' (3048 mm)	Tapered	2.6 lbs/ft ²	QRES

PACKAGING: 1 panel, markings on paper face, non-removable tape on long edges

¹ Length availability may change; other lengths may be available on a special order basis. Consult with your local QuietRock® or PABCO® representative.

² Represents approximate weight for design and shipping purposes.

APPLICABLE STANDARDS & TECHNICAL DATA:

QuietRock® ES	5/8"
Manufacturing:	ASTM C1396
Installation:	Gypsum Association GA-214, GA-216 – www.gypsum.org ASTM C840 – www.astm.org
Surface Burning Characteristics (ASTM E84):	Class A Flame Spread 15; Smoke Developed 0
Combustibility (ASTM E136):	Non-Combustible
Fire-Resistant Rated Assemblies (ASTM E119):	Gypsum Association GA-600, Fire Design Manual Underwriters Laboratories, UL Product IQ® The Sound Design Guide
STC Rated Assemblies (ASTM E90):	The Sound Design Guide
Surface Abrasion Resistance (ASTM C1629):	Classification Level 2
Soft Body Impact (ASTM C1629):	Classification Level 1
Hard Body Impact (ASTM C1629):	Classification Level 2
Flexural Strength, Load lbf (N) (ASTM C473): Test Method B	
Perpendicular to substrate edge	62
Parallel to substrate edge	104
Thermal resistance R value (ASTM C518):	0.5
Composition:	100% recycled paper face, gypsum core, viscoelastic polymer
Safety Data Sheet (SDS):	SDS available at www.QuietRock.com
QuietRock® Literature:	"The Sound Design Guide: a transparent resource for sound & fire information"
Sustainability Information:	Information available at www.QuietRock.com
Mold Resistance available. See QuietRock® ESMR submittal for more information	

*The [International Accreditation Service — IAS](#) — is an Internationally recognized non-profit, public benefit corporation and a leading accreditation body in the United States.

NEED HELP WITH A PROJECT OR HAVE QUESTIONS ABOUT QUIETROCK®?

Visit www.QuietRock.com or call (800) 797-8159 to speak with a product specialist.

ACHIEVE DESIGN GOALS LIKE NEVER BEFORE WITH PABCO® GYPSUM!

Contact the PABCO® Gypsum Technical Services Team at (866) 282-9298.