QuietRock®

MANUFACTURER INFORMATION:
PABCO® Gypsum
a division of PABCO® building products, LLC
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PABCO® Specification PGS-022

DESCRIPTION:

QuietRock® ESMR (EZ-SNAP® Mold-Resistant) is Type X fire-resistance rated, internally damped sound reducing gypsum panel with added mold inhibiting chemistries. The panels are comprised of a proprietary viscoelastic polymer center, enhanced high density gypsum core manufactured to meet the Type X requirements of ASTM C1396 *Standard Specification for Gypsum Board*. The core is bisected to completely eliminate inner layers of paper in the product for enhanced workability.

QuietRock® ESMR panels are encased in a 100% recycled paper on the face, back, and sides. 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.

PRIMARY USES:

QuietRock® ESMR sound reducing panels are designed for fire-resistance rated and fire-resistance rated interior wall assemblies. These panels are engineered to replace multiple layers of drywall in assemblies allowing for shorter build and inspection times with minimal impact to usable floor space. QuietRock® ESMR panels are ideal for hospitals, schools, government projects and other mold sensitive applications where sound attenuation performance and fire-resistance are primary considerations. QuietRock® ESMR panels are tested and approved on many fire-resistance rated assemblies and are suitable for new construction or renovation projects.

LIMITATIONS:

- QuietRock® EZ-SNAP Mold-Resistant 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, and after construction. Avoid exposure to temperatures exceeding 125° F (52° C) for an extended period of time.

- QuietRock® ESMR is a non-structural panel; not intended to be used as a structural fastener base or to support wall mounted objects.

APPLICATION:

QuietRock® EZ-SNAP Mold-Resistant sound reducing panels are designed for direct mechanical (nail or screw) or adhesive attachment to wood or metal substrates, or may be attached to existing surfaces using fasteners or adhesives. GA-214 guidelines recommend a level 5 finish for all wallboard partitions decorated with non-flat paints, deep/dark colors and/or in critical lighting conditions. **Install panels vertically on walls to create the optimum finishing and decorating surface.** With the wallboard joints properly treated per GA-216 and GA-214, QuietRock® ESMR panels will resist the passage of smoke. PABCO® Gypsum endorses and recommends Gypsum Association's publications GA-214 *Levels of Finish for Gypsum Panel Products*, GA-216 *Application and Finishing of Gypsum Panel Products* (www.gypsum.org) and ASTM Standard Specification C840 *Standard Specification for Application and Finishing of Gypsum Board* (www.astm.org) as its application specifications that provide detailed instructions on the standard application of gypsum panels and proper joint finishing procedures. For fire-resistance and sound rated systems it is important that you consult the appropriate directory or test report for the complete assembly documentation and related information. These systems must be installed in strict compliance with the detailed fire test assembly description, including core types and other components such as studs, fastener spacing and fasteners type and installed as tested. When an assembly is both fire-resistance and sound rated, the strictest requirements prevail.

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QUIETROCK® ESMR
Mold-Resistant Type X Sound Reducing Panel

MOLD RESISTANCE:

QuietRock® ESMR products meet the requirements of ASTM D3273 *Standard Test Method for Resistance to Growth of Mold on the Resistance Surface of Interior Coatings in an Environmental Chamber*. No material may be classified as mold-proof. Prolonged exposure to moisture can result in the growth of mold on any surface. The use of good design, proper handling, and construction practices, are the most effective and best method to minimize mold. This includes avoiding water exposure during all phases of the project, such as: storage, handling, shipping, product installation, and system maintenance both before and after project completion.

SOUND CONTROL:

QuietRock® sound reducing 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® panels improve Sound Transmission Class (STC) ratings on various framing material and design. 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 are critical to any acoustically-rated and/or fire-resistance rated assembly. This includes sealing all penetrations and wall perimeter with acoustically rated sealants (i.e. QuietPutty® and QuietSeal® Pro).

FIRE-RESISTANT RATINGS:

Fire-Resistance Rated Designs are promulgated from tests performed at IAS* certified independent testing laboratories, and 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® EZ-SNAP® Mold Resistant is third party labeled and inspected. QuietRock ESMR is a classified Type X gypsum panel and is approved on many fire-resistance rated designs. More information is available on www.pabcogypsum.com.

STORAGE & HANDLING:

Store and handle all QuietRock® gypsum panels in accordance with GA-801 *Handling and Storage of Gypsum Panel Products*. Store all QuietRock 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 job site 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.

WARRANTIES & REMEDIES:

Current warranty information for this product is available online at www.pabcogypsum.com/quietrock.

LEGAL NOTICES:

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QUIETROCK® ESMR

Mold-Resistant Type X Sound Reducing Panel

PRODUCT DATA, SIZES & TYPES:

Product	Thickness	Width	Length[1]	Edge Type	Weight[2]	UL Core Type
QuietRock® ESMR	5/8" (15.9 mm)	48" (1219 mm)	8' (2438 mm) 9' (2743 mm) 10' (3048 mm) 12' (3658 mm)	Tapered	2.6 lbs/ft^2	QRES

PACKAGING: 1 panel, markings on paper face

[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. A more exact weight may be available for your area; consult with your local QuietRock® or PABCO® representative.

APPLICABLE STANDARDS & TECHNICAL DATA:

QuietRock® ESMR Thickness	5/8"
Manufacturing:	ASTM C1396, C1766
Installation:	Gypsum Association GA-214, GA-216 – www.gypsum.org ASTM C840 – www.astm.org
Mold Resistance (ASTM D3273):	10 (highest rating)
Surface Burning Characteristics (ASTM E84):	Class A Flame Spread 15; Smoke Developed 0
Fire-Resistant Rated Assemblies:	PABCO Gypsum, The Sound Design Guide Gypsum Association GA-600 Fire Design Manual Underwriters Laboratories, UL Fire Resistance Directory
Impact Resistance ASTM C1629:	
Surface Abrasion Resistance:	Level 2
Soft Body:	Level 1
Hard Body:	Level 2
Flexural Strength, Load lbf (N) (ASTM C473): Test Method B	
Perpendicular to substrate edge:	62
Parallel to substrate edge:	104
STC Rated Assemblies (ASTM E 90):	PABCO Gypsum, The Sound Design Guide
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.pabcogypsum.com
QuietRock® literature:	"The Sound Design Guide: a transparent resource for sound & fire information"
Recycled Content:	See website for details

Visit www.pabcogypsum.com/quietrock for product updates and current information.

The International Accreditation Service — IAS — is a non-profit, public benefit corporation and a leading accreditation body in the United States. Internationally recognized, accreditation by IAS makes it easier to market products and services both inside and outside the United States.

Job name:	
Contractor:	Date:

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