

COMFORTGUARD®

a TempleInland product

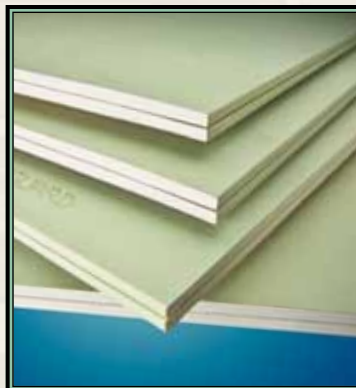
Sound-Deadening Gypsum Board



There's never been an easier design solution for unwanted noise.

Now, dramatic noise reduction combined with fire and mold resistance.

Whether you're designing a multi-tenant commercial structure or a single-family home, ComfortGuard® sound-deadening gypsum board is the simple solution for keeping the peace without disturbing your comfort zone. Specify the same systems and materials you typically use, but substitute ComfortGuard instead



Greater Performance. Wider Application.

of standard gypsum panels, and see dramatically better results. Create assemblies with STC ratings ranging from 50-70 with no extra effort. Add fire, water and mold resistance without a second thought. And elevate your project's recycled material content to ease the stress of high environmental expectations. Discover ComfortGuard, the easy design solution for unwanted noise.

TempleInland®

Simple solution for outstanding results

ComfortGuard® sound-deadening gypsum board features two separate specially-engineered gypsum panels, each including a mold- and moisture-resistant core and facers, laminated together using a viscoelastic polymer. With this pliable adhesive between its two rigid panels, ComfortGuard is a very effective product for interrupting the transmission of noise vibrations through partition assemblies. This makes ComfortGuard the ideal material for schools, hotels, hospitals and offices, as well as multi-family and single-family residential construction or any other project requiring a high level of sound protection. ComfortGuard is also available in standard dimensions, cuts and applies with traditional methods and can be specified in many assemblies. ComfortGuard is the simplest design solution for unwanted noise.

Sound Ratings and Sound Transmission

When tested in a basic stud wall assembly in accordance with ASTM C423, a wall built with ComfortGuard produced an STC value of 47 compared to a value of 30 for standard gypsum board. That's why ComfortGuard can help deliver STC values between 50-70 easily and more cost efficiently than double stud wall construction. For optimum sound performance, see the ComfortGuard installation recommendations on our website.

Fire Resistance of 5/8" Type X Panels

ComfortGuard is a proprietary 5/8" Type X sound deadening gypsum board that has passed a full-scale fire test in accordance with ASTM E119 and therefore may provide a fire-resistance rating of one or more hours, depending upon the assembly in which it is applied. See our website for assembly details.

NOTE: Because ASTM procedures require that fire tests be conducted on complete building assemblies/systems and not just on the gypsum board itself, the ability of any particular gypsum board to pass a specific ASTM-referenced fire test may well depend on factors other than the fire-resistance of the gypsum board being tested. These factors include the other components used to construct the building system being tested, the manner in which the system is constructed and the inherent variability of laboratory fire tests.

Mold and Moisture Resistance

ComfortGuard incorporates the TemShield mold protection system into its core and facers to provide a high level of mold and moisture protection. In fact, our TemShield system has scored a 10, the highest score possible, when tested in accordance with ASTM D3273, the industry standard test for mold resistance. When tested in accordance with ASTM C473, ComfortGuard as produced has a water absorption value of 5 percent or less. For more information, see the ComfortGuard technical summary on our website.

NOTE: The ASTM D3273 lab test may not be applicable to the actual performance of building materials. No material may be labeled mold proof, and resistance to mold growth depends on many factors. Prolonged exposure to moisture may cause mold and mildew to grow on any surface. Therefore, in order to maximize the mold and mildew resistance of a material, it is essential that good design, handling and construction practices be implemented. This involves avoiding water exposure during all phases of storage, handling, shipping, installation and after installation is complete. See GA-238 for more information.

Installation

ComfortGuard is designed for simple installation. Just score deeply, snap and hang. Application and finishing should be in accordance with ASTM C840 and/or GA-214 and/or GA-216. See ComfortGuard installation recommendations on our website for important considerations and limitations.

RECYCLED CONTENT CERTIFICATION

Temple-Inland® ComfortGuard® sound-deadening gypsum board panels manufactured in West Memphis, Arkansas, and Cumberland City, Tennessee, have been third-party certified by Scientific Certification Systems (SCS) in accordance to ISO 14021 standards to contain at least 93% recycled material on a dry-weight basis.

GREEN BUILDING SYSTEM CREDITS

LEED

The use of ComfortGuard sound deadening gypsum board can contribute greatly toward LEED credits in these two LEED certification categories:

MR credit 4 - Recycled Content - awards 1 or 2 points for using products with recycled content that constitute at least 10% or 20%, based on cost, of the total value of project materials.

MR credit 5 - Locally Produced Materials - awards 1 or 2 points for using materials that are extracted and manufactured within 500 miles that constitute at least 10% or 20%, based on cost, of the total value of project materials.

NAHB Green Building Standards

The use of ComfortGuard sound deadening gypsum board can also contribute greatly toward the NAHB Green Building Standard credits in the following certification category:

NAHB 604.1 (2) - Pre-consumer Recycled Content - specifies the use of recycled content products in major areas such as walls, floors, insulation and roofing.

TYPICAL PROPERTIES

	5/8"
Widths	48" and 54"
Lengths	8', 9', 10', 12'
Edge	Tapered
Weight	2.6 lbs./sq. ft.
Water Absorption ¹	5%
Flame Spread ²	15
Smoke Developed ²	0
Humidified Deflection ¹	5 (1/8 of inch)
Flexural Strength (md/cd) ¹	46 / 147
R Value ³	0.78

¹ASTM C473; ²ASTM E84; ³40% higher than standard 5/8" board

NOTE: see our website for important information regarding the fire-resistant properties of 5/8" Type X products.



Printed on paper with 30% Post-Consumer Recycled Content

Temple-Inland®

www.templeinland.com ▲ 800-231-6060