

GYPSORB ACOUSTIC PANELS

1/2" (12.7 mm) perforated gypsum panels for interior wall and ceiling applications

- 1/2" (12.7 mm) perforated gypsum panels are recommended as an acoustic remediation layer for improving sound attenuation in double layer wood or steel framed partitions, and as a face layer for use over existing wall and ceiling surfaces.
- Complies with ASTM C1396, standard specification for perforated gypsum panel, 1/2" (12.7 mm).
- Underwriters Laboratories Inc. (UL) Classification as to surface-burning characteristics and noncombustibility.
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350).

DESCRIPTION

Available in 1/2" (12.7 mm) thickness, GypSorb brand perforated gypsum panels feature a noncombustible gypsum core that is encased in 100% recycled paper face and back that form a high strength contemporary design. The face paper is rolled around the long edges to reinforce and protect the core, the ends are cut square and even for perfect fields. The long edges of the panels are tapered, allowing joints to be reinforced and concealed with GypSorb joint treatment systems.

- Commercial or residential applications where 1/2" (12.7 mm) panels are desired for sound remediation
- New or repair and remodel construction in residential and commercial applications
- Wood or steel framed wall and ceiling applications with our support systems
- 1/2" (12.7 mm) perforated panels are recommended as an additional layer for improving sound control in double layer wood or steel framed construction, and as a face layer for use over existing wall and ceiling surfaces with our support systems

INTENDED FOR

1. Avoid exposure to sustained temperatures exceeding 125°F (52°C).
2. Avoid exposure to excessive, repetitive or continuous moisture before, during and after installation. Eliminate sources of moisture immediately. Not intended for exterior.
3. Must be stored off the ground and under cover in accordance with Gypsum Association's GA-801, Handling and Storage of Gypsum Panel Products.

LIMITATIONS

For maximum frame spacing in non fire resistance rated applications of gypsum panel products, refer to Gypsum Association's GA-216, Specifications for the Application and Finishing of Gypsum Panel Products or ASTM C840, Standard Specification for Application and Finishing of Gypsum board. For fire resistance rated applications, refer to the published UL Design or GA File Number. For installation recommendations for curved surfaces, refer to Gypsum Association's GA-226, Application of Gypsum Board to Form Curved Surface. Ask for an installation guide for curved applications.

INTERIOR INSTALLATION, FINISHING AND DECORATING INSTALLATION

Maximum Framing Spacing For Single-Layer Applications

Location	Gypsum Panel Thickness	Gypsum Panel Orientation To Framing	Maximum Framing OC Spacing
Ceilings	1/2" (12.7 mm)	Parallel	Not Recommended
		Perpendicular	Not Recommended
Walls	1/2" (12.7 mm)	Parallel	Not Recommended
		Perpendicular	Not Recommended

Maximum Framing Spacing For Multi-Layer Application Without Adhesives Between Layers

Location	Gypsum Panel Thickness	Gypsum Panel Orientation To Framing	Maximum Framing OC Spacing
Ceilings	1/2" (12.7 mm)	Parallel	16" (406 mm)
		Perpendicular	24" (610 mm)
Walls	1/2" (12.7 mm)	Parallel	16" (406 mm)
		Perpendicular	24" (610 mm)

Notes:

1. On ceilings that will receive water-based texture material, panel thickness shall be increased from 1/2" (12.7 mm) to 1" (25.4 mm) for 16" (406 mm) OC framing spacing. See Appendix A.3 of Gypsum Association's GA-216, Specifications for the Application and Finishing of Gypsum Panel Products for more information.
2. 1/2" (12.7 mm) GypSorb gypsum wallboard shall not be applied to ceilings where the gypsum board supports thermal insulation.
3. 1/2" (12.7 mm) GypSorb panels are not recommended on ceilings to receive water-based texture material.
4. For double-layer ceilings, adhesive must be used to laminate 1/2" (12.7 mm) gypsum wallboard.



FINISHING AND PAINTING

For high-quality finishing results, GypSorb recommends GypSorb finishing kits and products.

Painting products and systems should comply with recommendations and requirements in Appendices of ASTM C840. For priming and decorating with paint, follow manufacturer's directions for materials used. Gypsum Association's GA-214-2022, Recommended Levels of Finish for Gypsum Board, Perforated Gypsum Panels should be referred to in order to determine the level of finishing needed to ensure a surface properly prepared to accept the final decoration.

All surfaces, including applied joint compound, must be thoroughly dry, dust-free and not glossy. Prime with premium primer or with an undiluted, interior latex flat paint with high-solids content. Allow to dry before finish painting.

To improve fastener concealment where gypsum panel walls and ceilings will be subjected to critical artificial or natural lighting, or will be decorated with a glossier paint (eggshell, semigloss or gloss), see the GypSorb Joint Treatment Brochure.

TEST DATA

1/2" (12.7 MM)

For more information, refer to GypSorb manual for finishing and painting

Property	ASTM Test Method	Requirement	GypSorb Acoustic Panels
None Combustibility	E136	Noncombustible	Meets
Surface Burning Characteristics	Flame spread	E84	Flame Spread Index, not greater than 25 ²
	Smoke developed	E84	—
	Class A	E84	Flame spread not greater than 25 and smoke developed not greater than 450
Core Hardness	Field	C473 (B)	Not less than 15 lbf (67 N) ⁵
	End	C473 (B)	Not less than 15 lbf (67 N) ⁵
	Edge	C473 (B)	Not less than 15 lbf (67 N) ⁵
Flexural Strength	Parallel	C473 (B)	Not less than 80 lbf (356 N) ⁵
	Perpendicular	C473 (B)	Not less than 100 lbf (445 N) ⁵
Humidified Deflection	C473	Not required ⁵	Meets
Nail Pull Resistance	C473 (B)	Not less than 80 lbf (356 N) ⁵	Meets

Note:

5. Per ASTM C1658 for 1/2" (12.7 mm) gypsum wallboard.

Product Data

Thickness	1/2" (12.7 mm)
Lengths⁷	8-12' (2438 - 3658 mm)
Width	4' (1219 mm)
Weight⁸, nominal	1.8 lb./sq.ft (8.8 kg/sq. m.)
Edges	Tapered
Packaging	Two panels per bundle

Notes:

- Other sizes available by special order. Check with your local GypSorb representative for availability.
- Represent approximate weight for engineering and shipping purposes. For specific product weight in your area, contact your local GypSorb representative or call our customer service center at 206-571-5710 info@gypsorb.com

COMPLIANCE

- Comply with ASTM C1396 for 1/2" (12.7 mm) gypsum wallboard panels
- Classified as a Class A Interior Finish Material per Section 803.1 of the International Building Code® (IBC)
- UL Classification as to surface burning characteristics and noncombustibility
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (CA 01350)

SUBMITTAL APPROVALS

Job Name	
Contractor	Date



PRODUCT INFORMATION

See GypSorb.com for current product information. GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

CAUTION

Dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Cut and trim with a utility knife or hand saw to minimize dust levels. Power tools must be equipped with a dust collection system. Wear eye, skin and respiratory protection if necessary. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call a physician. Do not swallow. If swallowed, call a physician.

KEEP OUT OF REACH OF CHILDREN

TRADEMARKS

The GypSorb logo, its design elements and colors, and related marks are trademarks of GypSorb. The trademarks of all other companies presented on this Submittal Form, are registered trademarks of those respective companies.

NOTE

Products described here may not be available in all geographic markets. Consult our GypSorb offices for information. The information in this document is subject to change without notice. GypSorb assumes no responsibility for any errors that may inadvertently appear in this document.

NOTICE

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

SAFETY FIRST!

Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read Safety Data Sheets and related literature on products before specification and/or installation.