

GOLD BOND® BRAND 1/2" SOUNDBREAK® XP® GYPSUM BOARD

MANUFACTURER

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DESCRIPTION

Gold Bond® BRAND 1/2" SoundBreak® XP® Gypsum Board with Sporgard™* has an acoustically enhanced, high density gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant, 100% recycled, PURPLE® paper on both sides. Used in the construction of high rated STC wall assemblies, this 1/2" thick gypsum board consists of a layer of viscoelastic damping polymer sandwiched between two pieces of high density mold resistant gypsum board, providing constrained layer damping.

Tapered edges allow joints to be reinforced with ProForm® BRAND Joint Tape and concealed with ProForm® BRAND Ready Mix or ProForm® BRAND Quick Set Setting Compounds. For optimum mold and mildew performance, National Gypsum recommends ProForm® BRAND XP® Ready Mix.

BASIC USES

For use as single-layer application or as a component of multi-layered wall assemblies where sound transmission between rooms or dwelling units is a concern.

ADVANTAGES

- Resists the growth of mold per ASTM G 21 with a score of 0, the best possible score.
- Resists the growth of mold per ASTM D 3273 with a score of 10, the best possible score.
- Use of SoundBreak XP Gypsum Board results in wall partitions with high rated STC values that are thinner than traditionally built high rated STC wall partitions providing increased usable floor space.
- Superior sound damping, cost-efficient material that is easily finished and decorated in the same manner as standard gypsum board.
- All SoundBreak XP Gypsum Board designs were tested by an independent third-party acoustical laboratory using the full-scale ASTM E 90 test procedure.
- SoundBreak XP Gypsum Board is installed like traditional gypsum board, offering a more reliable and less complicated solution than alternative methods requiring clips and/or channels.
- SoundBreak XP Gypsum Board can be cut by scoring deeply from both sides of the board before snapping, or with the use of a hand or power saw.

- Provides greater resistance to surface abuse and indentation over standard gypsum board.
- Heavy abrasion resistant paper and denser core provide greater resistance to surface abuse and indentation when tested in accordance with ASTM C 1629.

GREENGUARD CERTIFIED

SoundBreak XP Gypsum Board has achieved GREENGUARD GOLD Certification.



MOLD AND MILDEW RESISTANCE

SoundBreak XP Gypsum Board was designed to provide extra protection against mold and mildew compared to standard gypsum board products. When tested by an independent laboratory, SoundBreak XP Gypsum Board with Sporgard received the highest possible ratings on ASTM G 21 and D 3273.

The use of SoundBreak XP Gypsum Board in actual installations may not produce the same results as were achieved in controlled laboratory conditions. No material can be considered

“mold proof,” nor is it certain that any material will resist mold or mildew indefinitely. When used in conjunction with good design, handling and construction practices, SoundBreak XP Gypsum Board can provide increased mold resistance versus standard gypsum board products. As with any building material, avoiding water exposure during handling, storage and installation, and after installation is complete, is the best way to avoid the formation of mold or mildew.

LIMITATIONS

- Exposure to excessive or continuous moisture and extreme temperatures should be avoided. SoundBreak XP Gypsum Board is not recommended where it will be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- Installing SoundBreak XP Gypsum Board panels over an insulating blanket, installed continuously across the face of the framing members, is not recommended. Blankets should be recessed and flanges attached to the sides of the studs.

Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

*Sporgard is a trademark of a LANXESS Corporation

- SoundBreak XP Gypsum Board must be stored off the ground and under cover. Sufficient risers must be used to ensure support for the entire length of the gypsum board to prevent sagging.
- SoundBreak XP Gypsum Board must be kept dry to minimize the potential for mold growth. Adequate care should be taken while transporting, storing, applying and maintaining SoundBreak XP Gypsum Board. For additional information, refer to the Gypsum Association publication, "Guidelines for the Prevention of Mold Growth on Gypsum Board" (GA-238-03), which is available at www.gypsum.org under the "Download Free Gypsum Association Publications" section.

COMPOSITION & MATERIALS

SoundBreak XP Gypsum Board consists of two outer panels with a specially formulated, mold resistant gypsum core encased with recycled mold resistant paper, combined with an inner layer of viscoelastic damping polymer. SoundBreak XP Gypsum Board contains no asbestos.

ACCESSORIES

(see [Installation Recommendations](#))

- Fasteners: drywall screws or nails
- ProForm Joint Tape
- ProForm Ready Mix or ProForm Quick Set/Quick Set Lite Setting Compound
- Cornerbead, trims, casing beads
- Acoustical sealant
- Acoustical putty pads

TECHNICAL DATA

PHYSICAL PROPERTIES

Thickness, nominal	1/2" Regular (12.7 mm)
Width, nominal	4' (1219 mm)
Length, standard	8' through 12' (2438-3657 mm)
Weight, lbs./sq.ft., nominal	2.3
Edges	Tapered
Surface Burning Characteristics (per ASTM E 84)	Flame Spread: 15 Smoke Developed: 0
Surface Abrasion Resistance (per ASTM C 1629)	Level 3
Indentation Resistance (per ASTM C 1629)	Level 1
Soft Body Impact Resistance (per ASTM C 1629)	Level 1

APPLICABLE STANDARDS AND REFERENCES

ASTM C 1396
ASTM C 1629
ASTM C 840
ASTM D 3273
ASTM G 21
Gypsum Association GA-216
Gypsum Association GA-214
Gypsum Association GA-801
National Gypsum Company, <i>Gypsum Construction Guide</i>

FIRE RESISTANCE RATINGS

Fire resistance ratings represent the results of tests on assemblies made up of specific materials in a specific configuration. When selecting construction designs to meet certain fire resistance requirements, caution must be used to ensure that each component of the assembly is the one specified in the test. Further precautions should be taken that assembly procedures are in accordance with those of the tested assembly. For copies of specific tests, call 1-800-NATIONAL. For fire safety information, see nationalgypsum.com.

As an option, SoundBreak XP Gypsum Board may be used as an additional layer on one or both sides of fire-rated wall assemblies. 1/2" SoundBreak XP Gypsum Board cannot be used as a substitute for 5/8" Type X gypsum board in a fire-rated assembly.

SoundBreak Gypsum Board shall be attached in accordance with manufacturer's recommendations.

INSTALLATION

RECOMMENDATIONS

Installation of SoundBreak XP Gypsum Board should be consistent with methods described in the standards and references noted.

DECORATION

For best painting results, all surfaces, including joint compound, should be clean, dust-free and not glossy. To improve fastener and joint concealment, a coat of a quality drywall primer is recommended to equalize the porosities between surface paper and joint compound.

The selection of a paint to give the specified or desired finished characteristics is the responsibility of the architect or contractor.

SoundBreak XP Gypsum Board that is to have a wall covering applied should be prepared and primed as described for painting.

Gypsum Association GA-214, *Recommended Specification for Levels of Gypsum Board Finish*, should be referred to in order to determine the level of finishing required to ensure a properly prepared surface that accepts the desired decoration.

Minimum Guidelines for Optimum Performance and Sound Reduction

- Stagger SoundBreak XP Gypsum Board joints from one side of the wall to the other.
- Allow a 1/4" gap along all wall perimeter edges and completely seal 1/4" gap with acoustical sealant or caulk.
- Refrain from any wall penetrations when possible.
- Limit necessary wall penetrations to one per stud cavity.
- Seal all penetrations with acoustical sealant and/or putty pads.
- The use of SoundBreak XP Gypsum Board in actual installations may not produce the same results as were achieved in controlled, laboratory conditions.

Recommendations for Cutting SoundBreak Gypsum Board

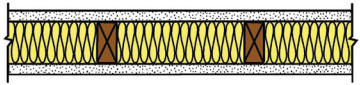
- SoundBreak XP Gypsum Board can be cut by scoring deeply from both sides of the board before snapping, or with the use of a hand or electric saw. Cutting across the 4' width may require use of a saw.

Recommendations for Acoustical Sealants and Putty Pads

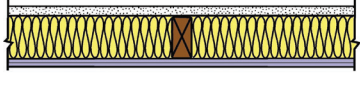
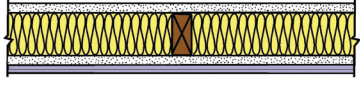
- Use an acoustical sealant that is applied per ASTM C 919 such as Grabber Acoustical Sealant GSC, STI SpecSeal Smoke N Sound Caulk, BOSS 824 Acoustical Sound Sealant or equivalent.
- Use a putty pad that has been tested per ASTM E 90, such as STI SpecSeal SSP Putty Pads or BOSS 818 Fire-Rated Putty Pads or equivalent.

SoundBreak XP Gypsum Board Acoustical Selector Guide

1/2" REGULAR GYPSUM BOARD PARTITIONS – WOOD FRAMING

Description	Test No.	STC
SINGLE LAYER – 2X4 STUDS		
 <p>1/2" Regular Gypsum Board vertically applied to each side of 2x4 studs 16" o.c. with 1-1/4" type W screws 12" o.c. Joints staggered on opposite side. 3" glass fiber insulation in stud cavity.</p>	NBC-W1b	34

1/2" SOUNDBREAK XP GYPSUM BOARD PARTITIONS – WOOD FRAMING

Description	Test No.	STC
SINGLE LAYER – 2X4 STUDS		
 <p>1/2" SoundBreak XP Gypsum Board vertically applied to one side of 2x4 studs 24" o.c. with 1-1/4" type W screws 12" o.c. 1/2" Gold Bond Gypsum Board vertically applied to opposite side with 1-1/4" type W screws 12" o.c. Joints staggered on opposite side. 3" glass fiber insulation in stud cavity.</p>	NGC 2009027	49
UNBALANCED – 2X4 STUDS		
 <p>Base layer of 1/2" Gold Bond Gypsum Board vertically applied to one side of 2x4 studs 24" o.c. with 1-1/4" type W screws 24" o.c. Face layer of 1/2" SoundBreak XP Gypsum Board vertically applied with 1-5/8" type W screws 12" o.c. 1/2" Gold Bond Gypsum Board vertically applied to opposite side with 1-1/4" type W screws 12" o.c. Joints staggered each layer and opposite sides. 3" glass fiber insulation in stud cavity.</p>	NGC 2009028	51

Note: In multi-layer systems, SoundBreak XP Gypsum Board can be used as either a face layer or a base layer without affecting the STC Rating.

