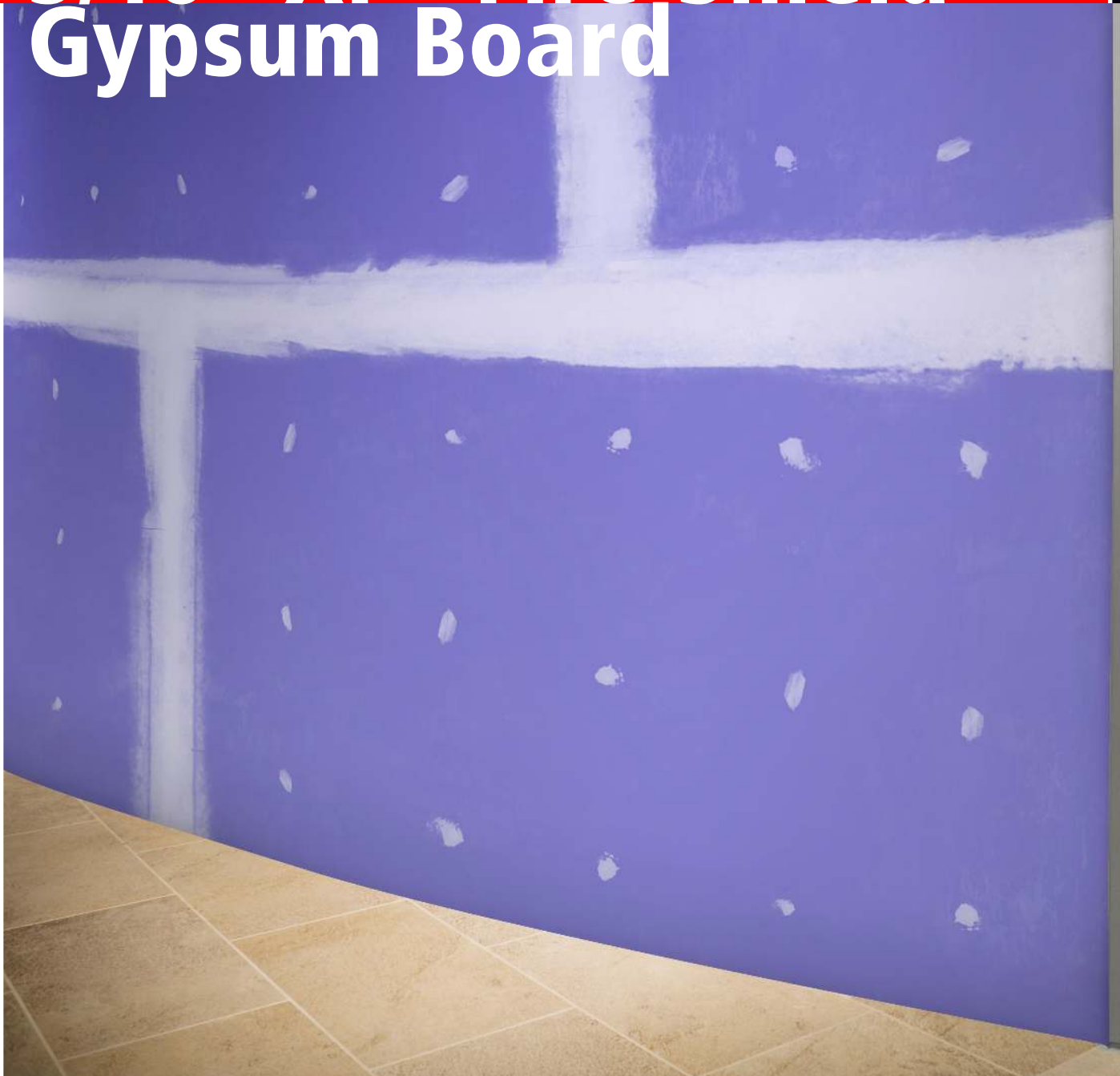


Gold Bond® BRAND

09 29 00/NGC

5/16" XP® Fire-Shield® Gypsum Board



National 
Gypsum®

5/16" XP® Fire-Shield® Gypsum Board

Overview

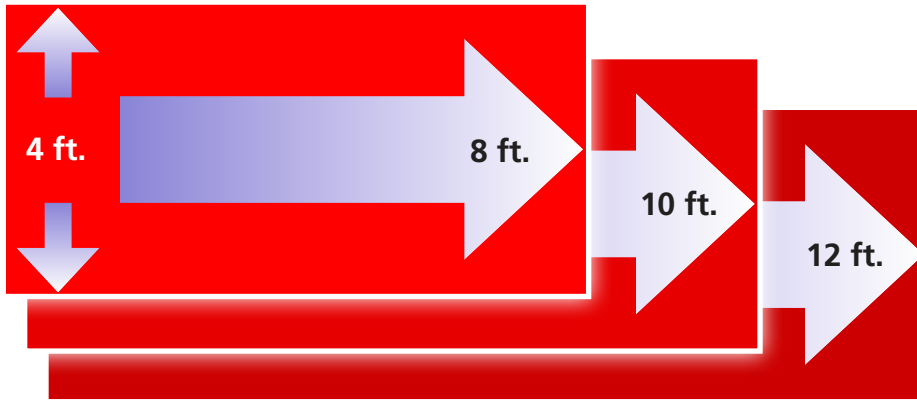
Gold Bond® BRAND 5/16" XP® Fire-Shield® Gypsum Board consists of a mold-, mildew-, moisture- and fire-resistant Type X gypsum core with a specially designed PURPLE® paper. The PURPLE face paper is a heavy paper that is 100-percent recycled and offers superior mold, mildew and moisture resistance. The 100-percent recycled gray back paper is also mold-, mildew- and moisture resistant.

FINISHING

Tapered edges allow joints to be reinforced with ProForm® BRAND Joint Tape and concealed with ProForm® BRAND Ready Mix Joint Compounds or ProForm® BRAND Quick Set® Setting Compounds. For optimum mold performance, use ProForm® BRAND XP® All Purpose or ProForm® BRAND XP® Lite Joint Compounds.

AVAILABLE SIZES

Board is 5/16 in. thick, 4 ft wide, and comes in 8, 10 and 12-ft lengths



ADVANTAGES

- Use it in both wood and metal framed construction for curved walls providing enhanced moisture and mold resistance.
- One- and two- hour fire ratings available.
- Resists the growth of mold per ASTM D3273 with a score of 10, the best possible score.
- Resists the growth of mold per ASTM G21 with a score of 0, the best possible score.
- Scores and snaps easily to exact size without sawing.
- Achieves GREENGUARD and GREENGUARD Gold Certification. 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.
- Qualifies as a low-VOC emitting material by meeting California Specification 01350. Visit https://www.cdph.ca.gov/programs/IAQ/Documents/cdph-iaq_standardmethod_v1_1_2010%20new1110.pdf.



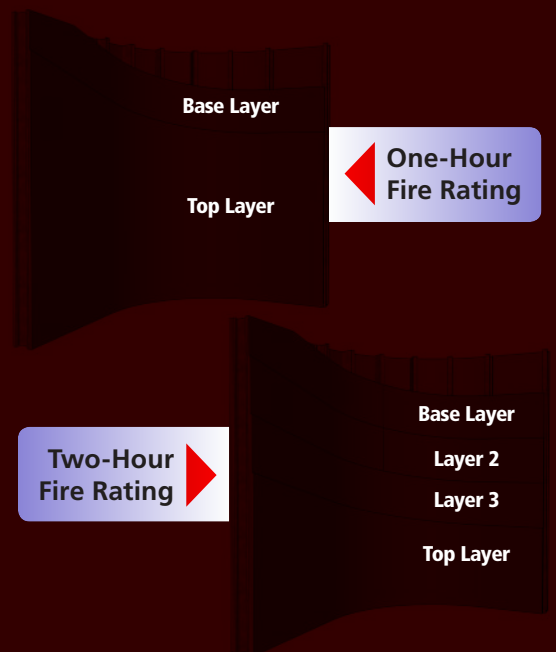
Engineered for radius applications requiring a fire-rated assembly with one-and two-hour fire ratings. Ratings based on assemblies tested in accordance with ASTM E119.



More design options than traditional 5/8" gypsum board through layered shapes.



Excellent XP® **mold and moisture resistance** — highest possible scores on ASTM D3273 and ASTM G 21.



Technical Overview

Physical Properties	5/16" XP Fire-Shield
Thickness ¹ , Nominal	5/16" (7.94 mm)
Width ¹ , Nominal	4' (1,219 mm)
Length ¹ , Standard	8', 10', 12' (2,438, 3,048, 3,658 mm)
Weight, Nominal	1.3 - 1.4 lbs./sq. ft. (6.35 - 6.84 kg/m ²)
Edges ¹	Tapered
Flexural Strength, perpendicular ¹	≥ 62 lbf. (276 N)
Flexural Strength, parallel ¹	≥ 21 lbf. (93 N)
Humidified Deflection ¹	N/A
Nail Pull Resistance ¹	≥ 46 lbf. (205 N)
Hardness ¹ - core, edges and ends	≥ 11 lbf. (49 N)
Bending Radius	2' (610 mm)
Thermal Resistance ⁴	R = .45
Permeance ⁵	37 perms
Water Absorption ¹ (% of Weight)	< 5%
Mold Resistance ⁶	Score of 10
Mold Resistance ⁷	Score of 0
Product Standard Compliance	ASTM C1396

Fire-Resistance Characteristics	
Core Type	Type X
UL Type Designation	FSW
Combustibility ²	Non-combustible Core
Surface Burning Characteristics ³	Class A
Flame Spread ³	15
Smoke Development ³	0

Applicable Standards and References
ASTM C473 Standard Test Methods For Physical Testing of Gypsum Panel Products
ASTM C518 Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
ASTM C840 Standard Specification for Application and Finishing of Gypsum Board
ASTM C1396 Standard Specification for Gypsum Board
ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials
ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
ASTM E136 Standard Test Method for Behavior of Method for Behavior of Materials in a Vertical Tube Furnace at 7500C
ASTM G21 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi
Gypsum Association, GA-214, <i>Recommended Levels of Finish for Gypsum Board, Glass Mat and Fiber-Reinforced Gypsum Panels</i>
Gypsum Association, GA-216, <i>Application and Finishing of Gypsum Panel Products</i>
Gypsum Association, GA-238, <i>Guidelines for Prevention of Mold Growth on Gypsum Board</i>
National Gypsum Company, <i>NGC Construction Guide</i>

¹Specified values per ASTM C1396, tested in accordance with ASTM C473.

²Tested in accordance with ASTM E136.

³Tested in accordance with ASTM E84.

⁴Tested in accordance with ASTM C518.

⁵Tested in accordance with ASTM E96.

⁶Tested in accordance with ASTM D3273.

⁷Tested in accordance with ASTM G21.

LIMITED WARRANTY AND REMEDIES

Products manufactured and sold by National Gypsum Company are warranted by National Gypsum Company to its customers to be free from defects in materials and workmanship at the time of shipment. THIS EXPRESS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO SUCH PRODUCTS, AND IS IN LIEU OF AND EXCLUDES ALL OTHER EXPRESS ORAL OR WRITTEN WARRANTIES AND ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

National Gypsum Company will not be liable for any incidental, indirect or consequential losses, damages or expenses. The customer's exclusive remedy for any type of claim or action for defective products will be limited to the replacement of the products (in the form originally shipped) or, at National Gypsum's option, to a payment or credit not greater than the original purchase price of the products.

Mold And Mildew Resistance

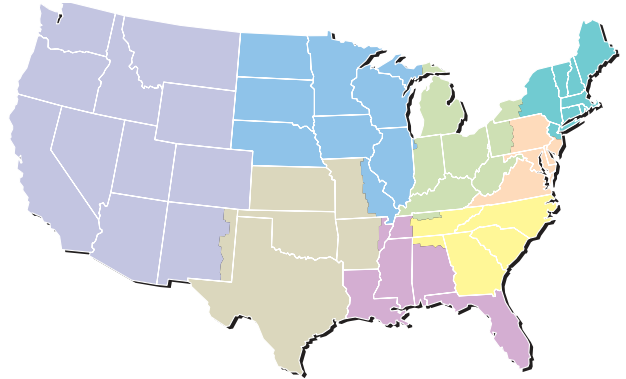
Gold Bond® BRAND XP® Gypsum Board products with Sporgard™ were designed to provide extra protection against mold and mildew compared to standard wallboard products. When tested by an independent laboratory, XP Gypsum Board products with Sporgard received the highest possible ratings on ASTM G21 and D3273.

National Gypsum Company will not be liable for products claimed to be defective where the defect resulted from causes not within National Gypsum's control, or which arose or occurred after shipment, including but not limited to accidents, misuse, mis-handling, improper installation, contamination or adulteration by other materials or goods, or abnormal conditions of temperature, moisture, dirt or corrosive matter.

Any claim that products sold by National Gypsum Company were defective or otherwise did not conform to the contract of sale is waived unless the customer submits it in writing to National Gypsum within thirty (30) days from the date the customer discovered or should have discovered the defect or non-conformance. No legal action or proceeding complaining of goods sold by National Gypsum may be brought by the customer more than one year after the date the customer discovered or should have discovered the defect or problem of which it complains.

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, XP Gypsum Board products can provide increased mold resistance versus standard wallboard 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.

CUSTOMER SERVICE SALES AREAS



Atlantic Area

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Fax: (877) 252-0430

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Phone: (800) 252-1065
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PRODUCT
CERTIFIED FOR
LOW CHEMICAL
EMISSIONS:
UL.COM/GG
UL 2818

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