09 29 00/NGC

Gold Bond® BRAND XP® Family of Interior Products

Gold Bond® BRAND Gypsum Board

National Gypsum®

Improving indoor air quality to protect the health and safety of building occupants and meeting the criteria for LEED certification requires a higher standard of quality and performance. National Gypsum is focused on providing innovative solutions for sustainable design and green building practices.

GREENGUARD GOLD

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818

GREENGUARD GOLD Certification

Research indicates American adults spend up to 90 percent of their time indoors, and that indoor air is two to five times more polluted than outdoor air. That's why National Gypsum has achieved GREENGUARD and GREENGUARD GOLD Certification on several products in its XP® family.

Gold Bond® BRAND:

- XP Gypsum Board
- Hi-Abuse XP Gypsum Board
- Hi-Impact XP Gypsum Board
- SoundBreak XP Gypsum Board

ProForm® BRAND:

- XP Joint Compounds

The XP product family, easily identified by its signature PURPLE® color, provides the building and design communities everything needed for innovative, sustainable design in gypsum systems. In addition to offering performance in the form of abuse, impact and sound resistance, XP products provide industry-leading mold-resistance, and now have the added benefit of achieving the highest indoor air quality standards.

The Gold Bond BRAND XP family of interior products has achieved GREENGUARD GOLD Certification. The GREENGUARD Certification Program is an industry-independent, third part program for certifying low-emitting products and materials. Products such as building materials that meet GREENGUARD Certification have been tested and certified for low product emissions by UL Environment.

XP Products

National Gypsum is the first building products company to offer Sporgard™*, a combination of mold inhibitors offering the most advanced technology. Sporgard comes from LANXESS Corporation, a world leader in mold control.

Sporgard technology offers the best possible defense against mold. The multiple mold inhibitors in Sporgard are each individually approved to meet the Environmental Protection Agency's most stringent standards for use in post harvest food applications.

XP with Sporgard has received the highest possible ratings on the most rigorous tests for mold control, including both ASTM G 21 and ASTM D 3273. In addition, XP with Sporgard installs and finishes just like standard gypsum board and is backed by the industry's most trusted customer service program and is manufactured at plants across the country. For more information, visit: **xpgypsumboard.info.**

PURPLE
EVOLVE YOUR WALLS™

The XP family of products is easily recognized by their distinctive PURPLE® color that provides customers a quick way to identify special features.

*Sporgard is a trademark of LANXESS Corporation.

Gold Bond® BRAND
XP® Gypsum Board

Description

Gold Bond® BRAND XP® Gypsum Board was developed as an improved moisture resistant board offering the same advantages of a traditional moisture resistant board with added mold resistance in the core and paper. XP Gypsum Board consists of a specially treated, fire resistant, gypsum core encased in a heavy, mold/mildew/moisture resistant, 100% recycled, PURPLE® paper on the face side and a heavy, mold/mildew/moisture resistant, 100% recycled, gray paper on the back side.

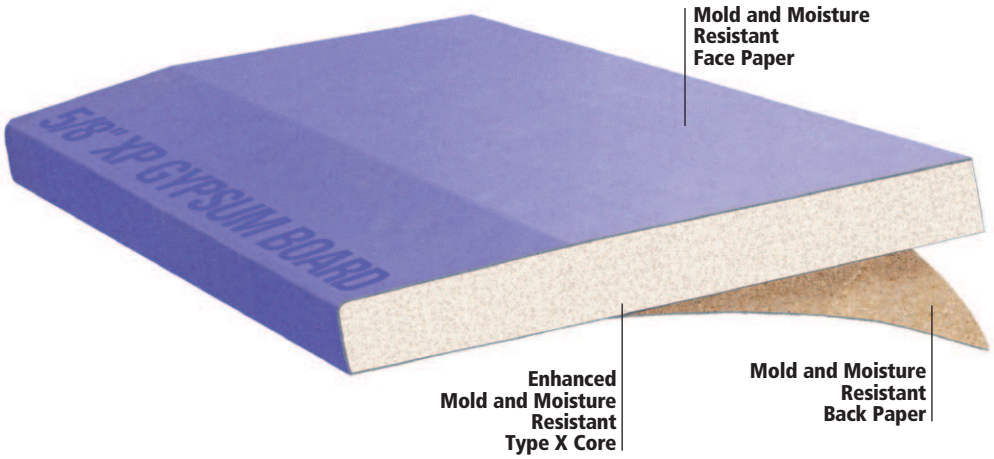
XP Gypsum Board was designed to provide extra protection against mold and mildew compared to standard wallboard products. The face paper is folded around the long edges to reinforce and protect the core, and the ends are square-cut and finished smooth. Long edges of the panels are tapered.

Tapered edges allow joints to be reinforced with ProForm® BRAND Joint Tape and concealed with ProForm® BRAND Ready Mix, Easy Finish® Ready Mix or ProForm® BRAND Quick-Set™ Joint Compounds.

For optimum mold and mildew performance, National Gypsum recommends ProForm BRAND XP Ready Mix.

Gold Bond BRAND XP Fire-Shield® Gypsum Board features a Type X core to provide additional fire resistance ratings when used in tested systems.

Gold Bond BRAND XP Fire-Shield C Gypsum Board Panels have a specially formulated Type X core to achieve superior performance when used in specific fire-rated assemblies where the weight and number of wallboard layers are a concern.



Features/Benefits

- 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.
- XP Gypsum Board is moisture resistant and can be used as a tile backerboard in dry areas or areas with limited water exposure such as toilet/sink areas and areas above tile in tubs and showers.
- Panels are for use in interior areas.
- UL Classified for fire resistance, surface burning characteristics and noncombustibility.
- Scores and snaps easily, no special handling requirements.
- Less than 5% water absorption per ASTM C 473.

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.**

Technical Data

PHYSICAL PROPERTIES		
Thickness, nominal	1/2" (12.7 mm)	5/8" (15.9 mm)
Width, nominal	48" (1220 mm)	48" (1220 mm)
Length, standard	8' through 12' (2438 mm – 3657 mm)	
Weight, lbs./sq. ft., nominal	1.5 –1.6	2.2
Edges	Tapered	Tapered
Surface Burning Characteristics (per ASTM E 84)	Flame spread: 15 Smoke developed: 0	
Packaging	2 pcs./bundle	

MAXIMUM FRAMING SPACING – For Single Layer XP Gypsum Board

	Gypsum Board Thickness	Gypsum Board Orientation to Framing	Maximum Framing Spacing
Ceilings:	1/2" (12.7 mm)	Parallel	16" (406 mm) o.c.
	1/2" (12.7 mm)	Perpendicular	24" (610 mm) o.c.
	5/8" (15.9 mm)	Parallel	16" (406 mm) o.c.
	5/8" (15.9 mm)	Perpendicular	24" (610 mm) o.c.
Walls:	1/2" (12.7 mm)	Perpendicular or Parallel	24" (610 mm) o.c.
	5/8" (15.9 mm)	Perpendicular or Parallel	24" (610 mm) o.c.

NOTE: On ceilings to receive hand or spray applied, water based texture material, XP Gypsum Board products shall be applied perpendicular to framing.

APPLICABLE STANDARDS AND REFERENCES
ASTM C 1396/ASTM C 473
ASTM C 840
ASTM D 3273
ASTM G 21
Gypsum Association GA-216
Gypsum Association GA-214
National Gypsum Company, *Gypsum Construction Guide*

GREENGUARD GOLD

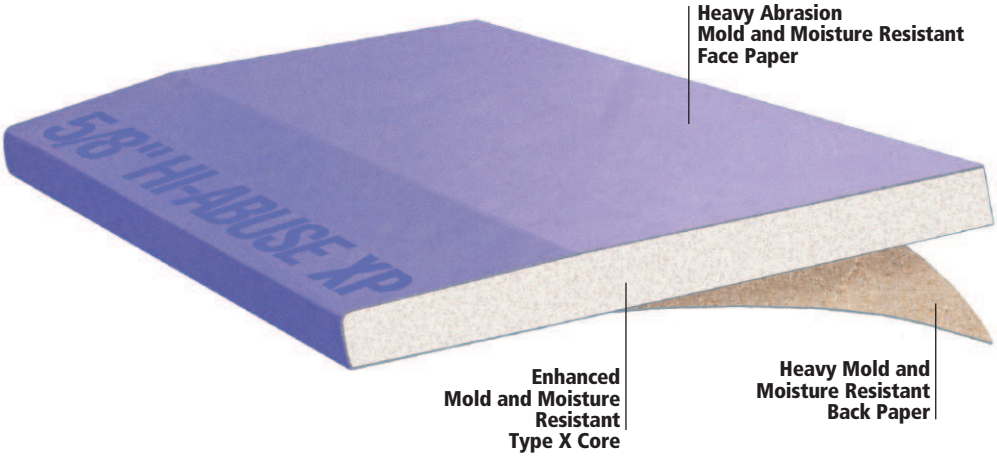
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818

Gold Bond® BRAND
Hi-Abuse XP® Gypsum Board

Description

Gold Bond® BRAND Hi-Abuse® XP® Gypsum Board consists of a tapered edge, mold and moisture resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant, 100% recycled, PURPLE® paper on the face side and a heavy, abrasion and mold/mildew/moisture resistant, 100% recycled, gray paper on the back side.

Hi-Abuse XP Gypsum Board is designed to provide extra protection against mold and mildew compared to standard wallboard products. The panels feature a specially formulated core to provide greater resistance to surface indentation and abuse.



Features and Benefits

- 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.
- For use in areas where surface durability, indentation and moisture, mold and mildew resistance are major concerns.
- Provides greater resistance to surface abuse and indentation over standard wallboard.
- Features a smooth, heavy face paper that is highly resistant to scuffing and provides a superior surface for decoration.
- Allows for same joint treatment reinforcement procedures as standard drywall, thereby reducing costs and the risk of improper installation.
- Less than 5% water absorption per ASTM C 473.
- Heavy abrasion resistant paper and denser core provide greater resistance to surface abuse and indentation when tested in accordance with ASTM C 1629.
- Does not require the added strength of a setting type compound for joint reinforcement.
- High density, fire resistant, Type X core may be utilized in fire rated wall and floor-ceiling assemblies.
- Easily scored and snapped.
- Lightweight alternative to CMU.
- Faster installation as compared to CMU.

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.**

Technical Data

PHYSICAL PROPERTIES	
Thickness, nominal	5/8" Type X (15.9 mm)
Width, nominal	4' (1219 mm)
Length, standard	8' through 12' (2438 mm – 3657 mm)
Weight, lbs./sq. ft., nominal	2.8
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 2
Hard Body Impact Resistance (per ASTM C 1629)	Level 1

APPLICABLE STANDARDS AND REFERENCES
ASTM C 1396
ASTM C 1629
ASTM C 473
ASTM C 840
ASTM D 3273
ASTM G 21
Gypsum Association GA-216
Gypsum Association GA-214
National Gypsum Company, *Gypsum Construction Guide*

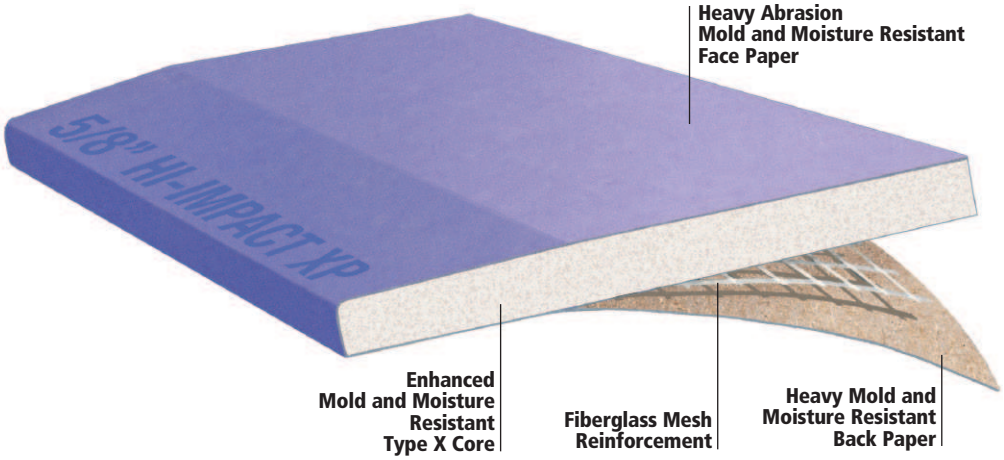
GREENGUARD GOLD

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818

Gold Bond® BRAND
Hi-Impact XP® Gypsum Board

Description

Gold Bond® BRAND Hi-Impact® XP® Gypsum Board consists of a tapered edge, moisture and mold resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant, 100% recycled, PURPLE® paper on the face side and a heavy, abrasion and mold/mildew/moisture resistant, 100% recycled, gray paper on the back side. A fiberglass mesh is embedded into the core, close to the back of the board to provide additional impact/penetration resistance. Hi-Impact XP Gypsum Board features a specially formulated core to provide fire resistance ratings when used in tested systems in addition to providing extra protection against mold and mildew compared to standard wallboard products.



Features and Benefits

- 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.
- For use in areas where surface durability, impact/penetration, moisture, mold and mildew resistance are major concerns.
- Provides greater resistance to surface abuse and indentation over standard wallboard.
- Features a smooth, heavy face paper that is highly resistant to scuffing and provides a superior surface for decoration.
- Features a Type X core to provide additional fire resistance.
- Hi-Impact XP can be used as a tile backerboard in dry areas or areas with limited water exposure such as toilet/sink areas and areas above tile in tubs and showers.
- Less than 5% water absorption per ASTM C 473.
- Easily scored and snapped.
- Does not require the added strength of a setting type compound for joint reinforcement.
- Allows for same joint treatment reinforcement procedures as standard drywall, thereby reducing costs and the risk of improper installation.
- Lightweight alternative to CMU.
- Faster installation as compared to CMU.

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.**

Technical Data

PHYSICAL PROPERTIES	
Thickness, nominal	5/8" Type X (15.9 mm)
Width, nominal	4' (1219 mm)
Length, standard	8' through 12' (2438 mm – 3657 mm)
Weight, lbs./sq. ft., nominal	2.8
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 3
Hard Body Impact Resistance (per ASTM C 1629)	Level 3

APPLICABLE STANDARDS AND REFERENCES
ASTM C 1396
ASTM C 1629
ASTM C 473
ASTM C 840
ASTM D 3273
ASTM G 21
Gypsum Association GA-216
Gypsum Association GA-214
National Gypsum Company, *Gypsum Construction Guide*

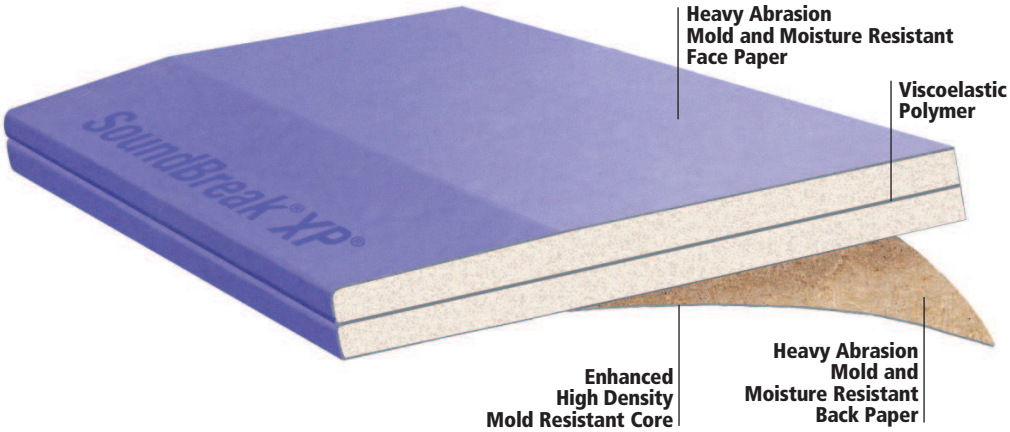
GREENGUARD GOLD

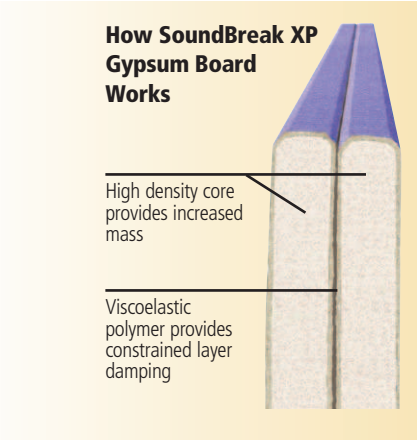
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818

Gold Bond® BRAND
SoundBreak® XP® Gypsum Board

Description

Gold Bond® BRAND SoundBreak® XP® Gypsum Board 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, SoundBreak XP consists of a layer of viscoelastic damping polymer sandwiched between two pieces of high density mold resistant gypsum board, providing constrained layer damping.





Features/Benefits

- 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.

GREENGUARD GOLD

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818

- All SoundBreak XP Gypsum Board designs were tested by an independent third-party acoustical laboratory using the full-scale ASTM E90 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.
- 5/8" SoundBreak XP features a fire resistant Type X core and is UL Classified and approved for inclusion in specific UL fire-rated designs.

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**.

Technical Data

PHYSICAL PROPERTIES		
Thickness, nominal	1/2" Regular (12.7 mm)	5/8" Type X (15.9 mm)
Width, nominal	4' (1219 mm)	4' (1219 mm)
Length, standard	8' through 12' (2438 mm – 3657 mm)	8' through 12' (2438 mm – 3657 mm)
Weight, lbs./sq. ft., nominal	2.3	2.7
Edges	Tapered	Tapered
Surface Burning Characteristics (per ASTM E 84)	Flame spread: 15 Smoke developed: 0	Flame spread: 15 Smoke developed: 0
Surface Abrasion Resistance (per ASTM C 1629)	Level 3	Level 3
Indentation Resistance (per ASTM C 1629)	Level 1	Level 1
Soft Body Impact Resistance (per ASTM C 1629)	Level 1	Level 2
Hard Body Impact Resistance (per ASTM C 1629)	N/A	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

UL Listed Assemblies

The 5/8" SoundBreak XP Gypsum Board is tested in accordance with ASTM Standard E 119 and is classified as Type X for use in the following UL listings:
U017, U301, U302, U305, U309, U326, U330, U332, U338, U339, U341, U342, U351, U354, U355, U356, U357, U358, U360, U364, U368, U369, U371, U379, U392, U405, U411, U418, U420, U425, U428, U429, U434, U439, U449, U450, U460, U465, U466, U475, U487, U494, U499, U505, U524, U525, U531, U646, U647, U648, U649, U651, U652, U926, U408, V415, V419, V420, V421, V425, V430, V432, V433, V434, V435, V438, V449, V450, V486, V483, V484, V488

UL Core Designation

5/8" SoundBreak XP Gypsum Board: SoundBreak XP

ProForm® BRAND
XP® Joint Compounds

Description

ProForm® BRAND XP® All Purpose and XP® LITE Ready Mix and Quick Set LITE™ Setting Compounds are enhanced with extra protection from mold and mildew. Its use, along with XP gypsum board products, provides a complete mold and mildew resistant wallboard system for your residential and commercial projects.

XP products are suitable for all phases of joint finishing from taping, filling, topping, patching, skimming and texturing, along with fastener spotting. They can also be used for texturing on walls and ceilings, repairing cracks in plastered walls, and to laminate wallboard to other surfaces such as masonry or other layers of wallboard.

Features/Benefits

- ProForm XP and XP LITE reduce airborne dust by more than 60%, saving time with quick and easy cleanup.
- Quick Set LITE is whiter and creamier and provides low shrinkage.
- Quick Set LITE permits same day finishing and offers consistent set times.
- All XP products are designed for tape application, fastener spotting and complete joint finishing of gypsum board.
- All XP products can be used as a texture product for both walls and ceilings by adjusting the thickness and using various texture tools such as knives, stippling brushes, trowels and other texturing tools.
- All XP products can be used to repair cracks in plastered walls.
- All XP products can be used to laminate wallboard to other surfaces such as masonry or other layers of wallboard.
- All XP products have excellent adhesion and bond capabilities.
- 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.

Technical Data

PACKAGING, COVERAGE, MIXING

	XP All Purpose	XP LITE	Quick Set LITE
Package Size	61.7 lb. (28 kg) pails 50 lb.(22.7 kg) cartons	1 gal. (3.8 L) pails 4.5 gal. (17 L) pails 3.5 gal. (13.2 L) cartons 4.5 gal. (17 L) cartons	18 lb. (8.2 kg) bags
Approximate Coverage	130-140 lbs./1000 sq. ft. (64-68 kg/93 sq. m)	8.2 gals./1,000 sq. ft. (33 L/93 sq. m)	45–55 lbs./1,000 sq. ft. (22–27 kg/93 sq. m)
Mixing	Pre-Mixed. No mixing necessary.	Pre-Mixed. No mixing necessary.	Mix 11–12 pts. (5.2–5.7 L) clean drinkable water per bag.

QUICK SET LITE WORKING & SETTING TIME COMPARISON

Stamped Product Time	Working Time Minutes	Set Time Minutes
5	3–7	10–20
20	15–20	20–40
45	35–45	45–70
90	70–90	90–125
210	180–210	210–280

This table illustrates the difference between working and setting times.

APPLICABLE STANDARDS AND REFERENCES

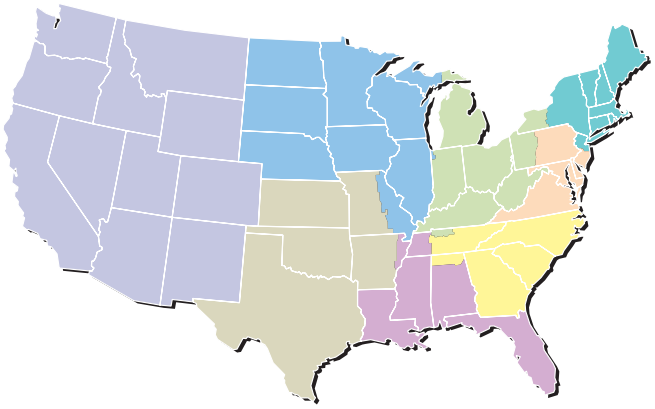
ASTM C 475
ASTM C 840
ASTM D 3273
ASTM G 21
Gypsum Association GA-216
Gypsum Association GA-214
National Gypsum Company, *Gypsum Construction Guide*
ProForm BRAND, *Drywall Finishing Products Construction Guide*

Low Dust
DustTech®
DUST-REDUCING TECHNOLOGY

GREENGUARD GOLD

PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818

CUSTOMER SERVICE SALES AREAS



Atlantic Area
Phone: (800) 237-9167
Fax: (877) 252-0430

Central Area
Phone: (800) 252-1065
Fax: (866) 232-0440

Gulf Area
Phone: (800) 343-4893
Fax: (866) 482-8940

Midwest Area
Phone: (800) 323-1447
Fax: (866) 692-8590

Northeast Area
Phone: (800) 253-3161
Fax: (866) 632-1480

Southeast Area
Phone: (800) 548-9394
Fax: (866) 732-1990

Southwest Area
Phone: (800) 548-9396
Fax: (866) 792-7520

Western Area
Phone: (800) 824-4227
Fax: (800) 438-6266

National Accounts
Phone: (800) 440-1230
Fax: (866) 622-3590

Manufactured Housing
Phone: (800) 455-3185
Fax: (800) 639-1714

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.

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 nonconformance. 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.

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 G 21 and D 3273.

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.

PURPLE
EVOLVE YOUR WALLS™

U.S. GREEN BUILDING COUNCIL MEMBER®

GREENGUARD GOLD
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818

Corporate Headquarters

National Gypsum Company
2001 Rexford Road
Charlotte, NC 28211

Phone: (704) 365-7300
Web: nationalgypsum.com
nationalgypsum.com/espanol

Technical Information

Phone: (800) NATIONAL®
(800) 628-4662
Fax: (800) FAX-NGC1
(800) 329-6421

NATIONAL GYPSUM PRODUCTS MADE IN USA

National Gypsum®

The color PURPLE® is a registered trademark of National Gypsum Properties, LLC