



Gold Bond® Shaftliner XP®

Use in Shaftwalls, Stairwells and Area Separation Fire Walls

Gold Bond® Shaftliner XP® gypsum panels consist of a fire-resistant Type X gypsum core encased in a heavy moisture-, mold-, and mildew-resistant, 100% recycled PURPLE paper on the face and back sides.

Shaftliner XP is designed to provide extra protection against mold and mildew. The face paper is folded around the long edges to reinforce and protect the core, and the ends are beveled and finished smooth. Long edges of panels are beveled for ease of installation.

Shaftliner XP panels are designed to be used to construct lightweight fire barriers for cavity shaftwalls (1-4 hr.), stairwells, and area separation fire walls in multifamily housing. The panels are key components in the I-Stud, C-T Stud, and C-H Stud Cavity Shaftwall Systems and the H-Stud Area Separation Fire Wall Systems.

ADVANTAGES

- Resists the growth of mold per ASTM G21 with a score of 0, the best possible score.
- Resists the growth of mold per ASTM D3273 with a score of 10, the best possible score.
- Lightweight, cost-efficient material.
- Easy to cut for quick installation.
- UL Classified for fire resistance and surface burning characteristics.
- The gypsum core will not support combustion or transmit temperatures greatly in excess of 212°F (100°C) until completely calcined, a slow process.
- Features SPORGARD® technology with extra mold-inhibiting properties.*

FIRE RESISTANCE RATINGS

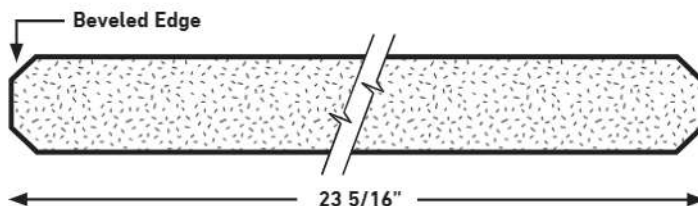
Shaftliner XP is UL Classified and approved for inclusion in specific UL fire-rated designs that specify the the UL designation FSW, including designs such as U347, U497, U498, U499, V451, W414, W419, W454.

Fire resistance ratings represent the results of tests on assemblies made up of materials authorized by National Gypsum in specific configurations. 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, precaution should be taken that assembly procedures are in accordance with those of the tested assembly.

INSTALLATION

Installation of Shaftliner XP gypsum panels should be consistent with methods described in specific application details for I-Stud Cavity Shaftwall Systems, H-Stud Area Separation Wall Systems or other fire-rated designs shown in *NGC's Construction Guide*.



APPLICABLE STANDARDS

References

ASTM C1396

Federal specification SS-L-30D Type IV Grade X

MOLD AND MILDEW RESISTANCE*

Shaftliner XP® is designed to provide extra protection against mold and mildew compared to standard wallboard products. When tested by an independent laboratory per ASTM D3273 ("Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber"), Shaftliner XP achieved a score of 10, the best possible score for this test.

*The use of Shaftliner XP in actual installations may not produce the same results that 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, Shaftliner XP can provide increased mold resistance versus standard shaftliner 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.

TECHNICAL DATA

Physical Properties	
Thickness ¹ , Nominal	1" (25.4 mm)
Width ¹ , Nominal	2' (610 mm)
Length ^{1,4} , Standard	8' – 12' (2,438 – 3,658 mm)
Weight, Nominal	3.75 lbs./sq. ft. (18.31 k/m ²)
Edges ¹	Double Beveled
Flexural Strength ¹ , Perpendicular	≥ 228 lbf. (1,014 N)
Flexural Strength ¹ , Parallel	≥ 77 lbf. (343 N)
Humidified Deflection ¹	N/A
Nail Pull Resistance ¹	≥ 87 lbf. (387 N)
Hardness ¹ – Core, Edges and Ends	≥ 11 lbf. (49 N)
Thermal Resistance ⁵	R = .83
Mold Resistance ⁶ , ASTM D3273	Score of 10
Mold Resistance ⁷ , ASTM G21	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 E119 Standard Test Methods for Fire Tests of Building Construction and Materials	
ASTM E136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C	
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>	
Gold Bond Building Products, LLC Manufacturer Standards, <i>NGC Construction Guide</i>	

1. Specified values per ASTM C1396, tested in accordance with ASTM C473.
2. Tested in accordance with ASTM E136.
3. Tested in accordance with ASTM E84.
4. Special lengths may be available. Contact your local sales representative
5. Tested in accordance with ASTM C518.
6. Tested in accordance with ASTM D3273 and rated in accordance with ASTM D3274.
7. Tested in accordance with ASTM G21.

*SPORGARD® is a registered trademark of LANXESS Deutschland GmbH, Germany.

The color Purple is a registered trademark of Gold Bond Building Products, LLC.



National Gypsum Company is the exclusive service provider for products manufactured by Gold Bond Building Products, LLC.



Gold Bond® Shaftliner XP® is manufactured by Gold Bond Building Products, LLC.

Gold Bond®
Building Products

goldbondbuilding.com