

## DESCRIPTION

Gold Bond® Shaftliner XP® gypsum panels consist of a mold-, mildew- and moisture-resistant Type X gypsum core encased in a mold-, mildew- and moisture-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 elevator shafts (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.

## BASIC USES

### Applications

Use it to construct lightweight fire barriers for cavity shaftwalls (1-4 hr.) and area separation fire walls (2 -3 hr.).

### Advantages

- Approved component in specific UL fire-rated designs.
- 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.
- Features SPORGARD® technology with extra mold-inhibiting properties.
- Dimensionally stable product with negligible expansion and contraction under normal atmospheric conditions.
- Cuts easily for quick installation.
- The gypsum core will not support combustion or transmit temperatures greatly in excess of 212°F (100°C) until completely calcined, a slow process.
- Achieves UL GREENGUARD Gold Certification for low chemical emissions into indoor air during product usage. For more information, visit: [ul.com/gg](http://ul.com/gg).
- Qualifies as a low-VOC emitting material by meeting California Specification 01350. For more information, visit: [calrecycle.ca.gov/greenbuilding/specs/section01350](http://calrecycle.ca.gov/greenbuilding/specs/section01350).

## INSTALLATION RECOMMENDATIONS

### General

Install Shaftliner XP consistent with methods described in specific application details for National Gypsum Cavity Shaftwall Systems or Area Separation Fire Wall Systems in *NGC Construction Guide*, or with other fire-resistance-rated designs.

Install fire-rated assemblies in accordance with the details found in the UL Fire Resistance Directory or Gypsum Association, GA-600, Fire Resistance Design Manual. Maintain adequate ventilation in the working area during installation and curing period.

## LIMITATIONS

- Avoid exposure to excessive or continuous moisture.
- Avoid exposure to extreme temperatures. Do not use shaftliner where it will be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- Do not use shaftliner in an unlined air supply duct.
- Isolate shaftliner from contact with building structure in locations where structural movement may impose direct loads on shaftliner assemblies.
- Do not immerse Shaftliner XP in water and do not subject to cascading water.
- Do not install or treat joints until the building is properly enclosed. Do not install in pre-rock conditions.

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_ Date \_\_\_\_\_

Submittal Approvals: (Stamps or Signatures)



# Gold Bond® Shaftliner XP®

## TECHNICAL DATA

Physical Properties	Shaftliner XP
Thickness <sup>1</sup> , Nominal	1" (25.4 mm)
Width <sup>1</sup> , Nominal	2' (610 mm)
Length <sup>1,4</sup> , Standard	8' – 12' (2,438 mm - 3,658 mm)
Weight, Nominal	3.75 lbs./sq. ft. (18.31 k/m <sup>2</sup> )
Edges <sup>1</sup>	Double Beveled
Flexural Strength <sup>1</sup> , Perpendicular	≥ 228 lbf. (1,014 N)
Flexural Strength <sup>1</sup> , Parallel	≥ 77 lbf. (343 N)
Humidified Deflection <sup>1</sup>	N/A
Nail Pull Resistance <sup>1</sup>	≥ 87 lbf. (387 N)
Hardness <sup>1</sup> – Core, Edges and Ends	≥ 11 lbf. (49 N)
Thermal Resistance <sup>5</sup>	R = .83
Mold Resistance <sup>6</sup> , ASTM D3273	Score of 10
Mold Resistance <sup>7</sup> , ASTM G21	Score of 0
Product Standard Compliance	ASTM C1396
Fire-Resistance Characteristics	
Core Type	Type X
UL Type Designation	FSW
Combustibility <sup>2</sup>	Non-combustible Core
Surface Burning Characteristics <sup>3</sup>	Class A
Flame Spread <sup>3</sup>	15
Smoke Development <sup>3</sup>	0
Applicable Standards and References	
ASTM C473 <i>Standard Test Methods for Physical Testing of Gypsum Panel Products</i>	
ASTM C518 <i>Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus</i>	
ASTM C840 <i>Standard Specification for Application and Finishing of Gypsum Board</i>	
ASTM C1396 <i>Standard Specification for Gypsum Board</i>	
ASTM D3273 <i>Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber</i>	
ASTM E84 <i>Standard Test Method for Surface Burning Characteristics of Building Materials</i>	
ASTM E119 <i>Standard Test Methods for Fire Tests of Building Construction and Materials</i>	
ASTM E136 <i>Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C</i>	
ASTM G21 <i>Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi</i>	
Gypsum Association, GA-214, <i>Levels of Finish for Gypsum Panel Products</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 for more information.
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.



# Gold Bond® Shaftliner XP®

## FOR MORE INFORMATION

### Architectural Specifications

Gold Bond Building Products CSI MasterFormat® 3-part guide specifications are downloadable as editable Microsoft® Word documents at: [goldbondbuilding.com](http://goldbondbuilding.com).

### Latest Technical Information and Update

Visit [goldbondbuilding.com](http://goldbondbuilding.com) or call National Gypsum Company Construction Services: 1-800-NATIONAL (628-4662).

**Technical Information** *Información Técnica*

**1-800-NATIONAL®**  
**1-800-628-4662**

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Gold Bond Building Products, LLC  
2001 Rexford Road  
Charlotte, NC 28211  
704.365.7300  
[goldbondbuilding.com](http://goldbondbuilding.com)