

**Gold Bond<sup>®</sup> BRAND**

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# **1" Fire-Shield<sup>®</sup> Shaftliner XP<sup>®</sup>**



**Gold  
Bond<sup>®</sup>**  
BRAND  
Gypsum Board

**National**   
**Gypsum<sup>®</sup>**

**Gold Bond® BRAND**

# 1" Fire-Shield® Shaftliner XP®

## Description

Gold Bond® BRAND 1" Fire-Shield® Shaftliner XP® gypsum panels consist of a fire resistant type X gypsum core encased in a heavy moisture/mold/mildew resistant, 100% recycled purple paper on the face and back sides. 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 panels have a double-beveled edge for ease of installation.

Gold Bond 1" Shaftliner XP panels are designed to be used in construction of lightweight fire barriers for cavity shafts, area separation walls and stairwells for 1 hour to 4 hour assemblies in multi-family housing. The panels are key components in the C-H, C-T, I-Stud Cavity Shaftwall System and the H-Stud Area Separation Wall System.

## 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.
- Lightweight, cost-efficient material.
- Shaftliner is easily cut 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.
- Expansion and contraction under normal atmospheric changes is negligible.

- UL Classified for fire resistance, surface burning characteristics and non-combustibility.
- Shaftliner XP may be substituted for National Gypsum's Gold Bond® BRAND Fire-Shield Shaftliner in Cavity Shaftwall, Area Separation Wall Systems and solid laminated partitions.
- Fire-Shield Shaftliner XP has achieved GREENGUARD GOLD Certification for indoor air quality.

## Fire Resistance Ratings

Fire-Shield Shaftliner XP is UL Classified and approved for inclusion in specific UL fire-rated designs: U347, U497, U498, U499, V451, W414, W419.

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. (For copies of specific tests, call 1-800-NATIONAL.)

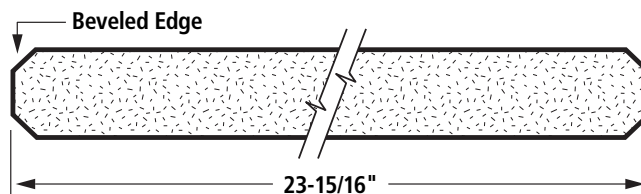
## Installation

Installation of 1" 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 National Gypsum Company's *Gypsum Construction Guide*.

## Technical Data

### PHYSICAL PROPERTIES

Thickness, nominal	1" (25.4 mm)
Width, nominal	24" (610 mm)
Length, standard	8' (2440 mm) to 12' (4270 mm)
Weight, lbs./sf, nominal	3.75
Edges	Double-beveled
Surface Burning Characteristics (per ASTM E 84)	Flame spread: 15 Smoke developed: 0
Packaging	Single pieces
Flexural Strength	– Parallel 77 lbf., per ASTM C 473 – Perpendicular 228 lbf., per ASTM C 473 – R Value 0.65, per ASTM C 518



### APPLICABLE STANDARDS AND REFERENCES

ASTM C 1396
Federal specification SS-L-30D Type IV Grade X

## Mold and Mildew Resistance\*

Gold Bond® BRAND 1" Fire-Shield® Shaftliner XP® was designed to provide extra protection against mold and mildew compared to standard wallboard products. When tested by an independent laboratory per ASTM D 3273 ("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 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, 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.



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