



## Substitution Request

Project: Substitution Request Number:  
From:  
To: Date:  
A/E Project Number:  
Owner:

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Specification Title: Description:  
Section: Page: Article/Paragraph:

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Proposed Substitution: **1" Fire-Shield Shaftliner XP**

Manufacturer: **National Gypsum Company**  
Address: **2001 Rexford Rd., Charlotte, NC 28211** Phone: **1-800-628-4662**  
Trade Name and Model No: **Gold Bond<sup>®</sup> BRAND 1" Fire-Shield Shaftliner XP<sup>®</sup> - GB8582**

Installer: Address: Phone:

History:  **5 – 10 Years old**

Differences between proposed substitution and specified product:

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Reason for not providing specified item:

**Similar Installation:**

Project: Architect:  
Address: Owner:  
Date Installed:

Proposed substitution affects other parts of Work:  **No**

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Supporting Data Attached:  Drawings  Product Data  Samples  Tests  Reports  Other

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

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Submitted by:

Signature:

Firm Name:

Address:

Phone:

Attachments:

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A/E's Review and Action:

- Substitution approved – Make submittals in accordance with Division 1 Section: Substitutions.
- Substitution approved as noted – Make submittals in accordance with Division 1 Section: Substitutions.
- Substitution rejected – Use specified materials.
- Substitution Request received too late – Use specified materials.

Signed By:

Date:

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Additional Comments:  Contractor  Subcontractor  Supplier  Manufacturer  A/E  Other

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**Upon completion return to:**

**Name:**

**Address:**

**Phone:**

**Fax:**

**Email:**

**National**   
**Gypsum**®

# GOLD BOND® BRAND FIRE-SHIELD® SHAFTLINER XP®

## MANUFACTURER

National Gypsum Company  
2001 Rexford Road  
Charlotte, NC 28211  
(704) 365-7300

Technical Information:  
1-800-NATIONAL  
(1-800-628-4662)

Fax: 1-800-FAX NGC1  
(1-800-329-6421)

Internet Home Page:  
nationalgypsum.com  
nationalgypsum.com/espanol  
09 29 00/NGC BuyLine: 1100

## DESCRIPTION

Gold Bond® BRAND Fire-Shield® Shaftliner XP® Gypsum Panels with Sporgard™\* 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. Shaftliner XP was 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 square-cut and finished smooth. Long edges of panels are beveled for ease of installation.

## BASIC USES

Shaftliner XP panels are designed to be used to construct light-weight fire barriers for cavity shaftwalls (1-4 hr), stairwells and area separation fire walls. 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 System.

## ADVANTAGES

- Resists growth of mold per ASTM G 21 with a score of 0, the best possible score.
- Resists growth of mold per ASTM D 3273 with a score of 10, the best possible score.
- Lightweight, cost-efficient material.
- Shaftliner XP 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.

- 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 Fire Wall Systems and solid laminated partitions.

## GREENGUARD CERTIFIED

Fire-Shield® Shaftliner XP® has achieved GREENGUARD GOLD Certification.



## MOLD AND MILDEW RESISTANCE

Shaftliner XP was designed to provide extra protection against mold and mildew. 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 achieve 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 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.

## LIMITATIONS

- Exposure to excessive or continuous moisture and extreme temperatures should be avoided.
- Non-load bearing.

- To prevent weakening due to calcining, Shaftliner XP panels, like any gypsum board, should not be exposed to temperatures over 125°F (52°C) for extended periods of time.
- Limiting loads and heights not to exceed design specification.
- Not to be used in an unlined air supply duct.
- Shaftliner XP must be stored off the ground and under cover. Sufficient risers must be used to assure support for the entire length of the gypsum board to prevent sagging.
- Shaftliner XP must be kept dry to minimize the potential for mold growth. Adequate care should be taken while transporting, storing, applying and maintaining gypsum board. For additional information, refer to the Gypsum Association publication, "Guidelines for the Prevention of Mold Growth on Gypsum Board" (GA-238-03) which is available at [www.gypsum.org](http://www.gypsum.org) under the "Download Free Gypsum Association Publications" section.

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

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

Submittal Approvals: (Stamps or Signatures)

## COMPOSITION & MATERIALS

Shaftliner XP is a manufactured panel with a fire-resistive Type X core encased in moisture- and mold-resistant paper.

Contains no asbestos.

### ACCESSORIES

- Fasteners
- I-Studs
- C-T Studs
- C-H Studs
- J-Track
- H-Studs
- C-Runner

### OR

- Approved metal shaftwall and area separation fire wall components
- Drywall beads and trim
- ProForm Ready Mix or ProForm Quick Set/Quick Set Lite Setting Compound
- ProForm Joint Tape

## TECHNICAL DATA

### PHYSICAL PROPERTIES

Thickness, nominal	1" Type X (25.4 mm)
Width, nominal	2' (610 mm)
Length, standard	8' through 12' (2438-3657 mm)*
Weight, lbs./sq.ft., nominal	3.75
Edges	Double Beveled
Surface Burning Characteristics (per ASTM E 84)	Flame Spread: 15 Smoke Developed: 0
Water Absorption (per ASTM C 473)	<5%
Mold Resistance (per ASTM D 3273)	10

\*Special lengths may be available. Contact your local sales representative for more information.

### APPLICABLE STANDARDS AND REFERENCES

ASTM C 1396

ASTM D 3273

Gypsum Association GA-801, *Handling and Storage of Gypsum Panel Products*

Federal Specification SS-L-30D Type IV (Grade X)

National Gypsum Company, *Gypsum Construction Guide*

## INSTALLATION

### 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 and W419.

Fire resistance ratings represent the result 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.)

### UL CORE DESIGNATION

Shaftliner XP: FSW

### RECOMMENDATIONS

Installation of Shaftliner XP should be consistent with methods described in specific application details for Cavity Shaftwall Systems or H-Stud Area Separation Fire Wall Systems or other fire-rated designs.

### HANDLING PRECAUTIONS

Always store Shaftliner XP gypsum panels flat on a level surface, and support with properly placed risers. Care should be taken to avoid impact, unwarranted flexing and subsequent damage to board edges, ends and corners.

Appropriate storage and handling is outlined in Gypsum Association GA-801.

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