



Substitution Request

Project:

Substitution Request Number:

From:

To:

Date:

A/E Project Number:

Owner:

Specification Title:

Description:

Section:

Page:

Article/Paragraph:

Proposed Substitution: **High Strength Fire-Shield LITE Gypsum Board**

Manufacturer: **National Gypsum Company**

Address: **2001 Rexford Rd., Charlotte, NC 28211** Phone: **1-800-628-4662**

Trade Name and Model No:

Gold Bond® BRAND 5/8" High Strength Fire-Shield® LITE® Gypsum Board – GB9951

Installer:

Address:

Phone:

History: **New Product** **1 – 4 Years** **5 – 10 Years**

Differences between proposed substitution and specified product:

Reason for not providing specified item:

Similar Installation:

Project:

Architect:

Address:

Owner:

Date Installed:

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

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.

Submitted by:

Signature:

Firm Name:

Address:

Phone:

Attachments:

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:

Additional Comments: Contractor Subcontractor Supplier Manufacturer A/E Other

Upon completion return to:

Name:

Address:

Phone:

Fax:

Email:

National 
Gypsum®

GOLD BOND® BRAND HIGH STRENGTH FIRE-SHIELD® LITE®

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 High Strength Fire-Shield® LITE® Gypsum Board panels consist of a fire-resistant Type X gypsum core specially formulated to be 15% lighter than standard Type X gypsum board. High Strength Fire-Shield LITE is encased in heavy natural-finish, 100% recycled 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. For speed of installation, GridMarX® guide marks are printed on the paper surface.

Long edges of the panels are tapered or square. 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 Setting Joint Compounds.

High Strength Fire-Shield LITE Gypsum Board features a Type X core to provide additional fire resistance ratings when used in specific UL designs.

BASIC USES

5/8" High Strength Fire-Shield LITE — For single- or multi-layer drywall construction for fire tested assemblies.

ADVANTAGES

- 15% lighter than standard 5/8" Type X gypsum board.
- Lighter weight results in easier handling.
- Features a fire-resistant Type X core and is UL classified and approved for inclusion on specific UL fire-rated designs.
- Excellent working properties, including score and snap, reduced dust and improved strength-to-weight ratio.
- Features GridMarx guide marks.
- Meets CHPS and CA Section 01350.

GREENGUARD CERTIFIED

High Strength Fire-Shield LITE Gypsum Board has achieved GREENGUARD GOLD Certification.



LIMITATIONS

- Exposure to excessive or continuous moisture and extreme temperatures should be avoided. Gypsum Board is not recommended where it will be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- High Strength Fire-Shield LITE Gypsum Board 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.
- High Strength Fire-Shield LITE Gypsum Board 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 under the "Download Free Gypsum Association Publications" section.

COMPOSITION & MATERIALS

High Strength Fire-Shield LITE Gypsum Board is a manufactured panel with a Type X gypsum core encased with paper. High Strength Fire-Shield Lite Gypsum Board contains no asbestos. Fire-Shield core gypsum board also contains various aggregates such as fiberglass to enhance the fire resistive qualities.

ACCESSORIES

- Fasteners: drywall screws, nails or adhesives
- ProForm Joint Tape
- ProForm Ready Mix or ProForm Quick Set/Quick Set Lite Setting Compound
- Furring channels
- E-Z Strip control joints or .093 zinc control joints
- Cornerbeads and trims

Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

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	5/8" Type X - 1.9
Edges	Square or Tapered
Surface Burning Characteristics (per ASTM E 84)	Flame Spread: 15 Smoke Developed: 0

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

APPLICABLE STANDARDS AND REFERENCES

ASTM C 1396

ASTM C 840

Gypsum Association GA-216

National Gypsum Company, *Gypsum Construction Guide*

FIRE RESISTANT 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 insure 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

5/8" High Strength Fire-Shield LITE - FSL

INSTALLATION

RECOMMENDATIONS

Installation of High Strength Fire-Shield LITE Gypsum Board should be consistent with the methods described in the standards and references noted.

GRIDMARX®

High Strength Fire-Shield LITE Gypsum Board comes standard with GridMarX® guide marks, printed on the paper surface. These guide marks align with standard building dimensions and help to quickly identify fastener lines for stud and joist framing. Using GridMarX,

accurate cuts can be made without having to draw lines. The use of GridMarX also provides quick identification and uniform nail/screw patterns.

GridMarX guide marks run the machine direction of the board at five points in 4" increments. Marks run along the edge in both tapers and at 16", 24" and 32" in the field of the board. The marks cover easily with no bleed-through using standard paint products.

Vertical Application - In a vertical application, GridMarX serve as a **guide mark** to help identify the exact location of framing members behind the gypsum board eliminating the need for field applied vertical lines.

Horizontal Application - In a horizontal application, GridMarX serve as a **reference mark** to help identify the location of framing members behind the gypsum board. (If framing member is located 2" to the right of the GridMarX at the top edge of the board, it will be located 2" to the right down the face of the board).

DECORATION

For best painting results, all surfaces, including joint compound, should be clean, dust-free and not glossy. To improve fastener and joint concealment, a coat of a quality primer is recommended to equalize the porosities between surface paper and joint compound.

The selection of a paint to give the specified or desired finished characteristics is the responsibility of the architect or contractor.

High Strength Fire-Shield LITE Gypsum Board that is to have a wallcovering applied to it should be prepared and primed as described for painting.

Gypsum Association GA-214, *Recommended Specification for Levels of Gypsum Board Finish*, should be referred to in order to determine the level of finishing needed to assure a surface properly prepared to accept the desired decoration.

National 
Gypsum®