



National Gypsum  
Gold Bond® BRAND  
Foil Back Gypsum Board

**Substitution Request**

Project:

Substitution Request Number:

From:

To:

Date:

A/E Project Number:

Owner:

Specification Title:

Description:

Section:

Page:

Article/Paragraph:

Proposed Substitution: **Foil Back 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 Foil Back Gypsum Board – GB1120**

Installer:

Address:

Phone:

History:  **More than 10 Years old**

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.

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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 FOIL BACK GYPSUM BOARD

## 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 Foil Back Gypsum Board panels consist of a fire-resistant gypsum core encased in heavy natural-finish paper on the face side and strong liner paper on the back side to which aluminum foil is laminated. The ends are square-cut and finished smooth.

## BASIC USES

Foil Back Gypsum Board can be used for exterior walls and ceilings in new construction and remodeling. The aluminum foil, laminated to the back surface, is a vapor retarder to keep interior moisture within the building at a suitable comfort level. For use with furred masonry, wood or steel framing, Foil Back Gypsum Board is effective for single-layer applications and as a base layer in double-layer applications where a vapor retarder of 1 perm or less is required.

## ADVANTAGES

- In tests conducted according to ASTM Test Procedure E 96 (desiccant method), Foil Back Gypsum Board showed a performance of less than 0.01 perm compared to approximately 34 perm for 1/2" regular gypsum board and approximately 28 perm for 1/2" gypsum board with two coats

of flat latex paint.

- In-place cost of Foil Back Gypsum Board installation is lower per thousand sq.ft. than a similar installation for regular gypsum board and polyethylene-film retarder installed separately.
- Easy-to-handle Foil Back Gypsum Board is adaptable to virtually all exterior wall and ceiling construction: wood frame, steel frame and furred masonry.

## LIMITATIONS

- Not recommended for use where exposure to moisture and high outside temperature is extreme and continuous. Under these conditions, a qualified mechanical engineer should determine location of the vapor retarder.
- Not recommended to be used over kraft-faced insulation or other vapor retarders.
- Not to be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- Foil Back 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.

- Not to be used as a base for ceramic or other tile or as a base layer for prefinished vinyl wall panels in double-layer assemblies.
- Not to be used as a base for adhesively applied vinyl or other highly water-vapor-resistant wall coverings.
- Foil Back Gypsum Board is not recommended for use in hot, humid climates such as the southern Atlantic and Gulf Coast areas.
- The foil surface of FOil Back is not recommended for lamination to any surface.
- To prevent objectional sag in gypsum paneled ceilings, the weight of overlaid unsupported insulation should not exceed the following recommendations:

PSF (lbs./sf)	Type	Frame Spacing
1.3 (6.3 kg/M <sup>2</sup> )	1/2" Regular	24" o.c.
2.2 (10.7 kg/M <sup>2</sup> )	1/2" Regular	16" o.c.
2.2	5/8" Fire-Shield	24" o.c.

Panels 3/8" thick must not be overlaid with unsupported insulation. If required, a vapor retarder can be installed in exterior ceilings, and plenum or attic spaces should be properly vented.

## COMPOSITION & MATERIALS

Foil Back Gypsum Board is a manufactured panel with a gypsum core encased in paper. Aluminum foil is laminated to the back side. Foil Back Gypsum Board contains no asbestos.

## ACCESSORIES

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

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

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

Submittal Approvals: (Stamps or Signatures)

## TECHNICAL DATA

### PHYSICAL PROPERTIES

Thickness, nominal	1/2" Regular (12.7 mm) 5/8" type X (15.9 mm)
Width, nominal	4' (1219 mm)
Length, standard*	8' - 16' (1829 - 3657 mm)
Weight, lbs./sq.ft., nominal	1/2" Regular - 1.6 5/8" Type X - 2.2
Edges	Tapered, Square or Sta-Smooth
Surface Burning Characteristics	Flame Spread: 15 Smoke Developed: 0

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

### APPLICABLE STANDARDS AND REFERENCES

ASTM C 1396

ASTM C 840

Gypsum Association GA-216

Gypsum Association GA-214

Gypsum Association GA-801

National Gypsum Company, *Gypsum Construction Guide*

### FIRE RESISTANCE RATINGS

Foil Back Gypsum Board has not been used in fire resistance tests. 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 ensure that each component of the assembly is the one specified in the test. Further precautions should be taken that assembly procedures are in accordance with those of the tested assembly. (For copies of specific tests, call 1-800-NATIONAL.) For fire safety information, see [nationalgypsum.com](http://nationalgypsum.com)

## INSTALLATION

### RECOMMENDATIONS

Installation of Foil Back Gypsum Board should be consistent with the methods described in the noted standards and references.

### 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 high quality drywall primer is recommended to equalize the absorption 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.

Gypsum Board that is to have a wall covering 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.

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