

GOLD BOND® BRAND GYPSUM WALLBOARD

MANUFACTURER

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DESCRIPTION

Gold Bond® BRAND Gypsum Wallboard panels consist of a fire-resistant gypsum core 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 and concealed with ProForm® BRAND Joint Tape and ProForm® BRAND Easy Finish® or Sta-Smooth® BRAND joint treatment compounds.

Gold Bond® BRAND Fire-Shield® Gypsum Wallboard features a type X core to provide additional fire resistance ratings when used in tested systems.

Gold Bond® BRAND Fire-Shield C Gypsum Wallboard Panels have a specially formulated type X core to achieve superior performance when used in specific fire-rated type C assemblies.

BASIC USES

1/4" - Lightweight, low-cost utility gypsum panel for use as a base layer for improving sound control in double-layer steel and/or wood stud partitions. Also for use over old wall and ceiling surfaces. Also applicable for forming curved surfaces with short radii.

3/8" - Lightweight for use in the double-wall systems over wood framing, and for repair and remodeling.

1/2" - For single-layer application in residential construction and single or multi-layer construction for fire tested assemblies (Fire-Shield C). Also used as a roofing substrate (Fire-Shield C).

5/8" - (Fire-Shield or Fire-Shield C only) For the single or multi-layer drywall construction. The greater thickness provides increased resistance to fire and reduced sound transmission.

ADVANTAGES

- Lightweight, cost-efficient material that readily accepts a wide range of decorative finishes.
- Gypsum Wallboard is easily cut for quick installation, permitting painting or other decoration and the installation of metal or wood trim almost immediately.
- 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.

LIMITATIONS

- Exposure to excessive or continuous moisture and extreme temperatures should be avoided. Gypsum Wallboard is not recommended where it will be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- To prevent objectionable sag in gypsum paneled ceilings, the weight of overlaid unsupported insulation should not exceed the following recommendations:

PSF (Lbs./Sq. Ft.)	Type	Frame Spacing
1.3 (6.3 kg/M ²)	1/2" Regular 1/2" Fire-Shield C	24" o.c.
2.2 (10.7 kg/M ²)	1/2" Regular 1/2" Fire-Shield C	16" o.c.
2.2 (10.7 kg/M ²)	5/8" Fire-Shield 5/8" Fire-Shield C	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.

- Installing Gypsum Wallboard panels over an insulating blanket, installed continuously across the face of the framing

members, is not recommended. Blankets should be recessed and flanges attached to the sides of the studs or joists.

- Gypsum Wallboard must be stored off the ground and under cover. Sufficient risers must be used to assure support for the entire length of the wallboard to prevent sagging.
- Gypsum Wallboard must be kept dry to minimize the potential for mold growth. Adequate care should be taken while transporting, storing, applying and maintaining gypsum wallboard. For additional information, refer to the Gypsum Association publication, "Guidelines for the Prevention of Mold Growth on Gypsum Wallboard" (GA-238-03), which is available at www.gypsum.org under the "Download Free Gypsum Association Publications" section.

COMPOSITION & MATERIALS

Gypsum Wallboard is a manufactured panel with a gypsum core encased with paper. Gypsum Wallboard contains no asbestos. Fire-Shield core gypsum wallboard also contains various aggregates such as fiberglass to enhance the fire resistive qualities.

(Continued next page)

Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

*Patent Pending National Gypsum Properties, LLC.

ACCESSORIES

Fasteners: drywall screws, nails or adhesives
Joint tape
Joint compound
Cornerbeads
Trims
Casing beads
Furring channels
E-Z Strip control joints
.093 zinc control joint

SIZES

Regular Gypsum Wallboard
Width: 4' (1219 mm)
Lengths: 6' through 16' (1829 – 4877 mm)
Thickness: 1/4" (6.4 mm)
3/8" (9.5 mm)
1/2" (12.7 mm)

Fire-Shield Wallboard (includes "C")
Width: 4' (1219 mm)
Lengths: 6' through 16' (1829 – 4877 mm)
Thickness: 1/2" (12.7 mm)
5/8" (15.9 mm)

54" Wide Regular Gypsum Wallboard
Width: 4'6" (1372 mm)
Lengths: 12' & 14' (3658 mm & 4267 mm)
Thickness: 1/2" (12.7 mm)

54" Wide Fire-Shield Gypsum Wallboard
Width: 4'6" (1372 mm)
Lengths: 12' (3658 mm)
Thickness: 5/8" (15.9 mm)

Edges:
Regular Gypsum Wallboard: Square or tapered
Fire-Shield Wallboard: Square or tapered

APPLICABLE STANDARDS

ASTM C 36/C 1396
Federal specification SS-L-30D Type III (Regular)
Federal specification SS-L-30D Type III Grade X (Fire-Shield)

TECHNICAL DATA

SURFACE BURNING CHARACTERISTICS

ASTM E 84
Flame spread: 15
Smoke developed: 0

FIRE RESISTANCE 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.)

INSTALLATION

APPLICABLE STANDARDS AND REFERENCES

ASTM C 840
Gypsum Association GA-216
Gypsum Association GA-214
National Gypsum Co. *Gypsum Construction Guide*

RECOMMENDATIONS

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

GRIDMARX™

Gold Bond® BRAND Wallboard 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

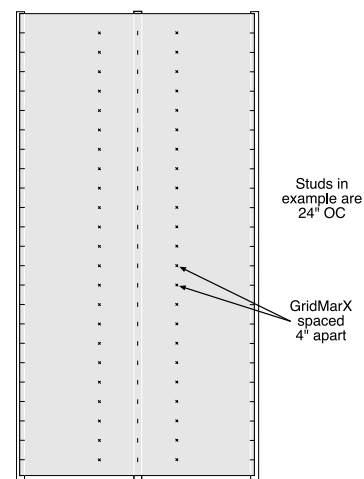
For best painting results, all surfaces, including joint compound, should be clean, dust-free and not glossy. To improve fastener and joint concealment, a coat of a quality drywall primer is recommended to equalize the porosities between surface paper and joint compound.

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

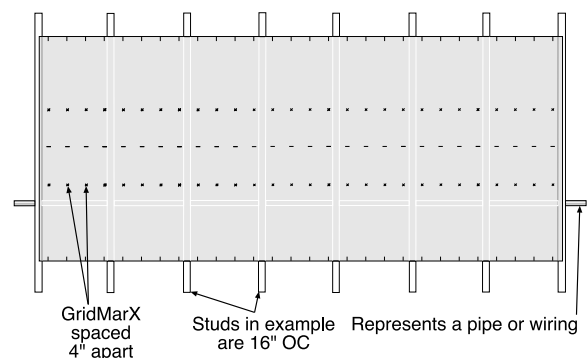
Gypsum Wallboard that is to have a wallcovering applied to it should be prepared and primed as described for painting.

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.

GridMarX™ — Vertical Application



GridMarX™ — Horizontal Wall And Ceiling Application



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Excellence Across The Board