

HIGH FLEX® BRAND WALLBOARD

MANUFACTURER

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DESCRIPTION

High Flex® BRAND Wallboard panels consist of a fire-resistive gypsum core encased in heavy natural-finish paper on the face side and strong liner paper on the back side. 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 slightly tapered, allowing joints to be reinforced and concealed with ProForm® BRAND Joint Tape and joint treatment compounds.

BASIC USES

1/4" High Flex Wallboard is specifically designed for radius construction such as curved walls, archways and stairways. It can be used for both concave and convex surfaces. 1/4" High Flex Wallboard is typically applied in double layers.

ADVANTAGES

- Lightweight, cost-efficient material that readily accepts a wide range of decorative finishes.
- 1/4" High Flex 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.
- With joints reinforced by ProForm BRAND joint compounds, Gold Bond® BRAND Gypsum Wallboard forms walls and ceilings resistant to cracks caused by structural and thermal changes.
- Expansion and contraction under normal atmospheric changes is negligible.

LIMITATIONS

- Exposure to extreme temperatures should be avoided. 1/4" High Flex Wallboard is not recommended where it will be exposed to temperatures exceeding 125°F (52°C).
- Installing 1/4" High Flex 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.

COMPOSITION & MATERIALS

Manufactured panel with a gypsum core encased with paper.

ACCESSORIES

Fasteners: Drywall screws, nails
Joint tape
Joint compound
Cornerbead
Trims
Casing beads
Furring channels
E-Z Strip control joints
Floor and ceiling runners
.093 zinc control joints

SIZES AND TYPES

Width: 4' (1219 mm)
Standard length: 8' (2438 mm)
Special order lengths:
9' (2743 mm), 10' (3048 mm),
12' (3658 mm)
Thickness: 1/4" (6.4 mm)
Edges: Slightly tapered

APPLICABLE STANDARDS

ASTM C 1396
Federal specification SS-L-30D
Type III (Regular)

TECHNICAL DATA

SURFACE-BURNING CHARACTERISTICS

ASTM E 84
Flame spread: 15
Smoke developed: 0

INSTALLATION

Installation of 1/4" High Flex Wallboard should be consistent with methods described in GA216, "Recommended Specifications for the Application and Finishing of Gypsum Board," ASTM C 840, "Standard Specification for Application and Finishing of Gypsum Board" and GA214, "Recommended Levels of Gypsum Board Finish."

RECOMMENDATIONS

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 latex primer is recommended to equalize the absorption between surface paper and joint compound.

1/4" High Flex Wallboard should be applied first to ceiling at right angles to framing members, then to walls. Boards of maximum practical length should be used so that an absolute minimum number of end joints occur. Board edges should be brought into contact with each other but should not be forced into place.

1/4" High Flex Wallboard is significantly more flexible in the vertical direction (long edges parallel to the framing) than in the horizontal direction. (See Table 1.)

Wallboard joints at openings should be located so that no end joint will align with edges of openings unless control joints will be installed at these points. End joints should be staggered, and joints on opposite sides of a partition should not occur on the same stud.

1/4" High Flex Wallboard is typically installed in double layer construction. To prevent flat spots, framing members should be spaced closer together than required for typical flat wall and ceiling surfaces (see Table 1). 1/4" High Flex Wallboard should be held in firm contact with the framing member while fasteners are being driven.

(Continued next page)

Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

For concave surfaces, a stop shall be applied to one end of the curve to restrain one end or edge of the board during installation. Pressure shall be applied to the unrestrained end or edge of the gypsum board forcing the field of the gypsum board into firm contact with the framing. Gypsum board shall be fastened by working from the “stopped” end or edge. The gypsum board shall be held tightly against the framing while fasteners are being driven.

For convex surfaces, one end of the gypsum board shall be attached to the framing with nails or screws. The gypsum board shall be progressively pushed into contact with the framing members, working from the fixed end to the free end. The gypsum board shall be held tightly against each framing member while fasteners are being driven.

Fasteners should be set with the heads slightly below the surface of the wallboard in a dimple formed by the hammer or power screwdriver. Care should be taken to avoid breaking the face paper of the wallboard. Improperly driven nails or screws should be removed.

TABLE 1 - MINIMUM BENDING RADII FOR 1/4" HIGH FLEX WALLBOARD

Application	Lengthwise		Widthwise	
	Bend Radii	Max. Stud Spacing	Bend Radii	Max. Stud Spacing
Inside (Concave) Dry	32"	9" o.c.	20"	9" o.c.
Outside (Convex) Dry	30"	9" o.c.	15"	8" o.c.
Inside (Concave) Wet	20"	9" o.c.	10"	6" o.c.
Outside (Concave) Wet	14"	6" o.c.	7"	5" o.c.

Lengthwise denotes long edges perpendicular to the framing members. Widthwise denotes long edges parallel to the framing members. The values listed in Table 1 were achieved at 65°F and 45% relative humidity. Lower temperatures and lower humidity will decrease the flexibility.

Wetting the board is only required on extremely tight radii, or when temperature and humidity conditions are lower than 65°F and 45% relative humidity. When wetting the board, apply 10-15 ounces of clean water per side with a paint roller or sprayer. Allow to soak 10-15 minutes before bending.

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Excellence Across The Board 