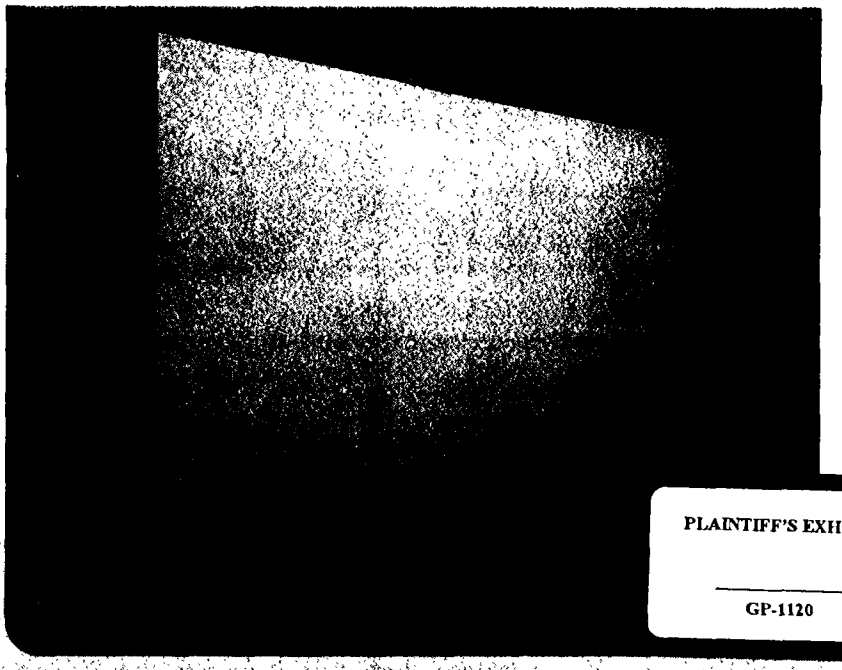
A.I.A. FILE NO. 23-L
N.A.H.B. INDEX NO. 340

FIRESTOP GYPSUM BACKER BOARD



Bestwall ½" and ⅝" Firestop Gypsum Backer Board, with greater versatility than ever before, are designed as a backing for decorative surface treatments of acoustical tile, veneers and a multitude of other decorative products used in a construction. A single layer application of ⅝" Bestwall Firestop Gypsum Backer Board on both sides of a wood or steel framing enables load-bearing or non-load bearing wall assemblies to resist temperatures of up to 1700°F for 1 hour (following the standard time temperature curve of ASTM E-119). Bestwall Firestop Gypsum Backer Board (½" or ⅝" thick) is recommended for ceiling assemblies with a fire resistance of up to two hours.

Firestop Gypsum Backer Board consists of a gypsum core with unexpanded vermiculite and reinforced with high tensile strength glass fibers. Each sheet of 2' x 8' Bestwall Firestop Gypsum Backer Board (⅝" thick) contains over 1,000,000 Ft. (over 190 miles) of glass fibers. Backer Board is firmly encased in a heavy fibrous paper. The unexpanded vermiculite balances the gypsum shrinkage by expanding when exposed to heat, while the glass filaments, keep the core intact even after its chemically combined water has been released.

Official tests performed by the Underwriters' Laboratory have proven conclusively, that the fire resistance of walls, floors and ceiling assemblies provided with Firestop do not need the joints treated and finished to develop the fire resistance ratings.

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- Provides up to two hours fire resistance in single layer
- Gives excellent base for decorative surface treatment
- Tongue and Groove edges hold adjacent boards in a plane and eliminates costly joint treatments
- The enormous concentration of glass fibers provides greater resistance to cracks caused by normal structural movement, minor settlement and vibrations
- Has flexural strength of 225 to 275 lbs. well exceeding ASTM Standard Requirements.

Bestwall Firestop Gypsum Backer Board can be used for walls and ceilings in both new construction and remodeling.

Thickness: ½" and ⅝"
Length: 6' to 16' (in even feet)
Width: 2' and 4'
Edges: Tongue and Groove or Square

SGP 0025699

GEORGIA-PACIFIC / BESTWALL GYPSUM DIVISION

GP66410

Packaging: Twin mounted, end taped

Nails: 5/8"—GWB 54 13 gauge 1 3/8" annular ring, 1/4" diam. flat head med. diam. point or equal.

1/2"—GWB 54 13 gauge, 1 1/4" long annular ring, 1/4" diam. med. diam. point or equal.

Screws: For metal framing use No. 6 flat head sheet metal screws for furring channels or 1 1/4" annular nails for nailing channels.

Spacing: Nails: Nails shall be spaced and driven a maximum of 7 in. o.c. on ceilings, and a maximum of 8 in. o.c. on walls.

Screws: Screws shall be spaced a maximum of 12 in. o.c. for ceilings and 16 in. o.c. for walls where the framing members are 16 in. o.c. Screws shall be spaced a maximum of 12 in. o.c. for ceilings and walls where the framing members are 24 in. o.c.

Application: Firestop Gypsum Backer Board shall be applied with long dimensions (edges) across framing members (horizontal applications) on ceilings. First apply 1/2" (or 5/8") Backer to the ceiling area. Then starting at one end of the wall, using 1/2" (or 5/8") Backer board, erect the top board first in "horizontal" position; work around the room using lengths and cutting boards where necessary. Firestop Gypsum Backer Board may be applied vertically with long dimensions parallel to framing members and edges on the framing members. All boards shall be in moderate contact, with none forced in place. Vertical joints shall be staggered and shall not occur upon the same stud on both sides in a partition structure.

See American Standard specifications for the application and finishing of Gypsum Wallboard A97.1.