Siguard plant
C.M. Rigby

Paoli, Pennsylvania

March 23, 1965

To: All Regional Sales Managers
All Area Sales Managers
All Salesmen

General Sales Bulletin #20-65

Subject: 5/8" THICK BESTWALL FIRESTOP

Re: Southern Building Code Congress Report #6344

Cc: Mr. R.I. Fredericks Paoli
Mr. K.A. McCaskill Paoli

By: G.C. Moore /ghp

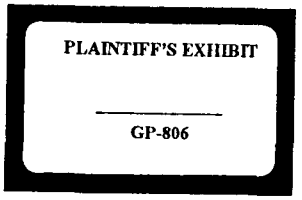
File - Wallboard Manual Section 10

Attached are two (2) copies of the subject Committee on Compliance Approval Report dated October 10, 1963. This is a reissue of a previous Report #6280.

You will note that this Report has dropped the Underwriters' Retardant Report #R2717-23 and the following have been included. 1) Floor and Ceiling Construction, Report #R2717-26 or UL Design #13 for 1½ Hours. 2) Under Floor and Ceiling Construction, Report #R2717-27 or UL Design #69 for 2 Hours. 3) Partition System using 5/8" Firestop vinyl clad with the Neslo "Z" stud, covered under Report #T-2406 for 2 Hours.

Destroy the old Approval Report #6280.

Additional copies of this sheet are available upon request. The Official Test Reports are available when Building Officials require them for their approval and record.



Southern Building Code Congress

BROWN-MARX BUILDING BIRMINGHAM, ALABAMA

REPORT: 6344

APPROVED: 10-10-63

EXPIRES:

COMMITTEE on COMPLIANCE APPROVAL REPORT

ON

5/8" THICK BESTWALL FIRESTOP

MANUFACTURED BY

BESTWALL GYPSUM COMPANY

SOLD THROUGH

BESTWALL CERTAIN-TEED SALES CORPORATION

ARDMORE, PENNSYLVANIA

The Manufacturer made formal application on July 19, 1963, for re-evaluation of their Approval Report No. 6280, dated December 28, 1962, requesting that Underwriters Retardant report 2717-23 be removed from the Report and that Underwriters Retardant reports number R 2717-26, R 2717-27 and Ohio State University report number T 2406 be included in this Approval Report.

THIS APPROVAL REPORT SUPERSEDES AND TAKES PRECEDENCE OVER REPORT DATED FEBRUARY 6, 1959, AND REPORT 6280 DATED DECEMBER 28, 1962, THEREBY REMOVING AND MAKING INVALID THE APPROVAL REPORT AS DATED FEBRUARY 6, 1959, AND REPORT 6280 AS DATED DECEMBER 28, 1962.

The Committee on Compliance has reviewed the data submitted on August 11, 1958, together with new test reports submitted on July 19, 1963, for compliance with the Southern Standard Building Code and submits its Report as follows:

DESCRIPTION:

Bestwall Firestop is a gypsum wallboard having a special core formulation under a patented process in which incombustible glass fibers and unexpanded vermiculite have been added to the gypsum core. It is manufactured in ½" and 5/8" thicknes s. Firestop is made generally in 4 ft. wide sheets with t:]ered edges and a finished wall or ceiling includes the conv[tional tape and cement joint system. It is also ava'lable v h a square edge or tongue and grooved edges and also in ft. and 4 ft. widths for use as an unfinished fire rate(assembly as a garage wall or a backup for further treatment as acoustical tile, etc.

USES:

Wall, floor and ceiling assemblies, for load bearing and non-load bearing with fire retardant properties. Framing consists of metal or wood studs, bar joist or wood joist for load bearing and non-load bearing assemblies and no frames for non-load bearing partitions.

SUBSTANTIATING DATA:

1. Manufacturers literature.
   (a) Sweet's insert 1963—Bestwall Gypsum Wallboard —Form BW-62250.
   (b) Fire Resistive Ratings—Bestwall Firestop—Form BW-62465.
2. Copies of Official Fire Test Reports made under ASTM E 119.

Underwriter Retardant	2889	8/5/47	Loadbe: ring Partition	Wood studs	1 hr.
Underwriter Retardant	2717-7-8	7/12/51	Floor a:d Ceiling	Wood joist & floor	1 hr.
Underwriter Retardant	3843 2717	12/27/55	N n-Load Bearing Partition	Metal studs	1 hr.
Underwriter Retardant	2717-16	12/1/52	Floor a: d Ceiling	Steel Bar Joists	1 hr.
Underwriter Retardant	2717-19-21	6/3/57	Non-Load Bearing Wall	Semi-Solid Hummer "B"	1 hr.
Underwriter Retardant	2717-20-22	8/26/57	Non-Load Bearing Wall	Semi-Solid Modified	2 hr. 3 hr.
Underwriters Retardant	2717-26	3/27/63	Floor and Ceiling	Steel Bar Joist	1½ hr.
Underwriters Retardant	2717-27	4/22/63	Floor and Ceiling	Steel Bar Joists	2 hr.
Ohio State Experimental Station Report T-209			Load Bearing Wall	Metal studs	1 hr.
Ohio State Experimental Station Report T-194			Load Bearing Wall	Wood studs	2 hr.
Ohio State Experimental Station Report T-2406—January 1963			Non-Load Bearing Wall	Metal studs	2 hr.

Underwriters Letter Report July 20, 1962

Tape and cement not required for fire resistive ratings.

REFERENCES TO SOUTHERN STANDARD BUILDING CODE:

Chapter X—Fire Resistance Rating for Materials and Construction.

IDENTIFICATION:

Bestwall Firestop is shipped twin mounted (2 boards face to face) and an end bundling tape with the U. L. Manifest (label) on each end.

All Bestwall Firestop sheets shall carry a face marking in the center of the board, repeated every five feet "⅝" (or ½") Bestwall Firestop Type "X".

COMMITTEE FINDINGS:

The Committee on Compliance in review of the data submitted finds that, in their opinion, ⅝" thick Bestwall Firestop Constructions meet the provisions of the Southern Standard Building Code as follows:

(A)—⅝" Bestwall Firestop in single layer application in the construction as detailed in the fire test reports meets the provisions in the Southern Standard Building Code where 1 hour fire resistance, load bearing or non-load bearing, combustible or incombustible wall and partition or floor and ceiling construction is required.

(B)—⅝" Bestwall Firestop in multiple layer (2 layer) application in the construction as detailed in the fire test reports meets the provisions in the Southern Standard Building Code where 2 hour fire resistive walls and partitions, load-bearing or non-load bearing, combustible or incombustible is required.

(C)—⅝" Bestwall Firestop in multiple layer application in the construction as detailed in the fire test reports meets the provisions in the Southern Standard Building Code where 3 hours non-load bearing fire resistive walls and partitions are required.

(D)—⅝" Bestwall Firestop in single layer application in the construction as detailed in the fire test reports meets the provisions in the Southern Standard Building Code where 1½ and 2 hour fire resistive floor and ceiling incombustible construction is required.

(E)—In view of the Fire Hazard Classification showing a 10 to 15 Flame Spread Rating, ⅝" Bestwall Firestop shall not be limited under the Southern Standard Building Code other than as above in A, B, C and D.

(F)—Height of non-load bearing frameless partition shall be limited to 12 ft. Maximum height of frame partitions shall be governed by rules on frame material (including section) used.

(G)—Joints may be taped or untaped depending on the erectors desires since the taping of joints has no effect on the retardant ratings.

COMMITTEE RECOMMENDATIONS:

The Committee recommends that ⅝" thick Bestwall Firestop uses and limitations as set forth in this Report be approved by the Southern Building Code Congress.

LIMITATIONS:

That Bestwall Firestop shall be made under Underwriters Inspection Service, listed by Underwriters Laboratories and carry the U. L. Manifest on the end bundling tape.

PERIOD OF APPROVAL:

This Approval or Certificate of Compliance will be in effect as long as the product "Bestwall Firestop" is listed by Underwriters Laboratories and manufactured under Underwriters' Inspection Service. Should any revision or changes of method of construction occur, this Approval shall terminate. This, however, is not to be construed to preclude any new submittals.

Myron A. Lasser, Chairman
Birmingham, Alabama

L. P. Hamilton, Columbia, South Carolina

Thomas M. Moses, Winter Park, Florida

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USES:

Wall, floor and ceiling assemblies, for load bearing and non-load bearing with fire retardant properties. Framing consists of metal or wood studs, bar joist or wood joist for load bearing and non-load bearing assemblies and no frames for non-load bearing partitions.

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Underwriters Retardant	2717-27	4/22/63

Ohio State Experimental Station Report T-209

Ohio State Experimental Station Report T-194

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Underwriters Letter Report July 20, 1962

Loadbearing Partition	Wood studs	1 hr.
Floor and Ceiling	Wood joist & floor	1 hr.
Non-Load Bearing Partition	Metal studs	1 hr.
Floor and Ceiling	Steel Bar Joists	1 hr.
Non-Load Bearing Wall	Semi-Solid Hummer "B"	1 hr.
Non-Load Bearing Wall	Semi-Solid Modified	2 hr. 3 hr.
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