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GEORGIA-PACIFIC
BESTWALL GYPSUM DIVISION

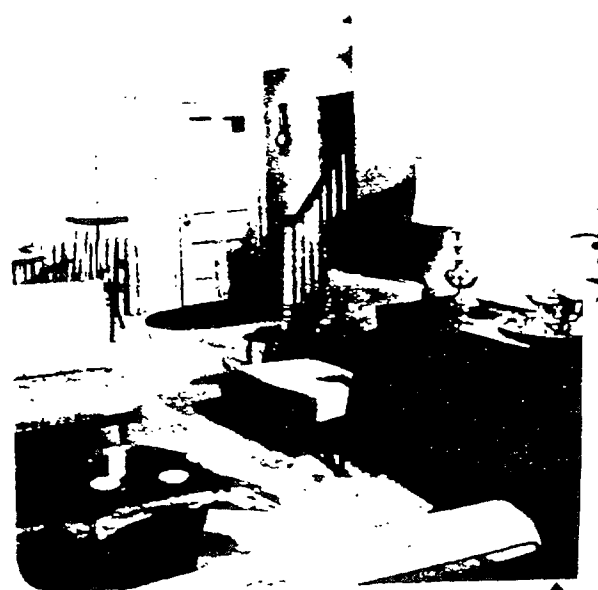


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**guide to gypsum products
for WALL SYSTEMS**

PLAINTIFF'S EXHIBIT

GP-850



SGP 0002688



Materials: All gypsum wallboards, metal studs, runners and accessories and joint system products used shall be furnished by the G-P/Bestwall Gypsum Division. Gypsum wallboard shall be Regular or Firestop 4' wide x ceiling height for vertical application or up to 16' long for horizontal application, tapered edge.

Floor and Ceiling Runners and Studs: 1 5/8", 2 1/2" or 3 5/8" (Other widths available.) Metal studs and runner channels shall be roll formed channels 25 gauge (0.021") electro or hot dipped, galvanized sheet steel with width dimensions suitable for various partition thicknesses.

Fasteners: 1" long G-P/Bestwall Type "S" Drywall screws.

Installation: Ceiling and floor track shall be aligned and anchored securely with a suitable fastener at a maximum of 24" o.c. Steel studs shall be positioned vertically in ceiling and floor tracks spaced not over 24" o.c. All studs located adjacent to window and door frames, partition intersections and corners shall be screwed through the stud and track flanges. Studs shall be installed not over 2" from abutting partitions, partition runners and all door frames. Studs shall be anchored by welded bolts or screw attachment to jamb and head of door or window light frames. A stud of required length shall be positioned at vertical joints over door headers. Use Extension Spacers where required. 1/2" or 5/8" thick G-P/Bestwall Gypsum Wallboard may be applied vertically or horizontally. The wallboard is screw attached with 1" or suitable length Type "S" G-P/Bestwall drywall screws spaced not over 12" o.c. in field

Materials: All gypsum wallboards, laminating compound, joint system products, metal runners and metal accessories used, shall be furnished by the G-P/Bestwall Gypsum Division. Gypsum wallboard 1/2" G-P/Bestwall Firestop 4' wide x ceiling height (tapered edge), gypsum spacers 1/2" thick, 6" wide x 12" gypsum wallboard, Owens-Corning Fiberglas Noisestop Board, 7/16" thick by 9.25 P.C.F.

Floor and Ceiling Runners and Studs: 1 5/8" shall be roll formed 25 gauge (0.021") galvanized sheet steel and spaced to suit partition thickness as detailed and held by 12" gypsum board spacers fastened on quarter points as detailed. **Steel Studs:** 1 5/8" thick.

Fasteners: 1"-1 5/8" G-P/Bestwall Type "S" drywall screws.

Installation: Ceiling and floor track shall be aligned and anchored securely with suitable fasteners at a maximum of 24".

Position: One layer 7/16" Owens-Corning Fiberglas Noisestop Board each side with vertical joint off studs min. 6". Apply one layer of 1/2" G-P/Bestwall Firestop Gypsum Wallboard each side and fasten with 1 5/8" Type "S" drywall screws—3/4" off ver-

over each stud, and 8" o.c. at top and bottom runners. Screws shall be power driven and seated with screw heads being slightly below surface without breaking surface paper. Screws shall not be closer than 3/4" from edges and end of panel. Vertical joints of face board shall be centered over each stud and joints shall be staggered 24" o.c. from the joints on the opposite side of wall. Boards shall not be screw attached to the ceiling runner when erected under a concrete floor slab. Where walls are erected under a concrete floor slab, a 1/2" slip joint is recommended between the slab and the top edge of steel stud and top edge of face boards to allow for building movement (see detail).

NOTE: Before attaching metal runners at ceiling, floor and intersection of walls at columns, a bead of caulking shall be applied in back of the metal runners for better resistance to sound transmission.

Joints: All joints should be taped and finished with tape and joint compound. Screw heads should be finished with heading and topping compound. Exterior angles are covered with G-P/Bestwall Metal Corner Bead and finished with Joint Compound. The top edge of wallboard at the ceiling angle adjacent to a concrete floor slab shall be finished with flat tape and joint compound or a G-P/Bestwall Metal Casing Bead over top edge of the face boards (see detail).

NOTE: This assembly with one layer 1/2" Firestop each side has a 1-hour fire resistive rating and an STC of 42; for additional fire resistive ratings and sound transmission characteristics see Page F/22 thru F/24.

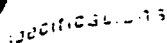
tical and end joints and over intermediate stud surface. Screws spaced 12" o.c. in field and at top and bottom 8" o.c. Screws driven slightly below the surface of face without breaking face paper. Vertical joints of face board shall be staggered from the vertical joints on the opposite side of wall. Where walls are erected under concrete floor slabs, a 1/2" slip joint is recommended between the top edge of the steel studs and top edge of the wallboards (see detail).

NOTE: Before attaching metal runners at ceiling, floor and intersection of walls at columns, a bead of caulking should be applied in back of the metal runners for better resistance to sound transmission.

Joints: All joints should be taped and finished with G-P/Bestwall Bedding and Topping Compound. Screw heads should be finished with bedding and topping compound. Exterior angles are covered with G-P/Bestwall Metal Corner Bead and finished with joint compound. The top edge of wallboard at the ceiling angle adjacent to a concrete floor slab shall be finished with flat tape and joint compound or a G-P/Bestwall Metal Casing Bead over top edge of the face boards.

NOTE: This assembly with one layer 1/2" Firestop each side of partition assembly has a 1-hour estimated fire resistive rating and an STC of 49; for additional fire resistive ratings and sound transmission characteristics see Page F/23.

SGP 0002689



Application: Ceiling and floor track shall be aligned and anchored securely with suitable fasteners at a maximum of 24" o.c. Position 1" G-P/Bestwall coreboard (vertically) into ceiling and floor track fasten 24" o.c. and fasten with 1 1/4" Type "S" Drywall screw. Apply G-P/Bestwall Laminating Compound to both sides of the 1" coreboard or the backs of the face wallboards. Use either a comb type spreader, a mechanical tool designed for applying laminating compound. Notches should be 3/16" deep x 3/16" wide and spaced 3/4" o.c. Position the face layers of wallboard and fasten along vertical edges and down middle of 4' wide board. Fasten with 1 1/4" Type "G" Drywall screws spaced at not over 24" o.c. in field. 12" o.c. at top and bottom runner, maintain 3/8" space from

Installation: Ceiling and floor runners shall be aligned and anchored securely with suitable fasteners at a maximum of 24" o.c. Position gypsum ribs into the ceiling and floor runners and laminate one layer of $\frac{5}{8}$ " G-P/Bestwall Firestop both sides of the assembly and fasten. Fasten with $1\frac{3}{8}$ " Type "G" Drywall screws spaced 12" o.c. in field and 8" o.c. at top and bottom runner. Drive screws slightly below the surface without breaking the face paper and maintain $\frac{3}{8}$ " space from vertical edges and ends of panel. Vertical joints of the face boards are centered over the gypsum ribs, stagger the vertical joints from vertical joints of the opposite of the wall 24" o.c. Where walls are erected under a concrete floor slab, a $\frac{1}{2}$ " slip joint is recommended between the slab and the top edge of the gypsum rib and face boards to allow for building movement (see detail).

NOTE: This assembly with one layer $\frac{1}{2}$ " G-P/Bestwall Regular Gypsum Wallboard each side has a 2-hour fire resistive rating and a 9 FRO Av. of 37 db for additional fire resistive ratings and sound transmission characteristics see Page F/24.

NOTE: This assembly with one layer 5/8" G-P/Bestwall Fire-stop Gypsum Wallboard each side has a 1-hour fire resistive rating and an STC of 35. For additional fire resistive ratings and sound transmission characteristics see Page F/24.

G-P/BESTWALL

Accessories
Products

G-P/Bestwall Triple-Duty Joint Compound—A vinyl base multi-purpose joint system product used for all coats in the reinforcing of joints, spotting of nail heads, filling cornerbead and texturing. (See Triple Duty Wallboard Joint Compound Product Sheet GP 65240)

G-P/Bestwall Joint System Products are designed to conceal joints and nailheads. All have easy working characteristics and very low shrinkage. Used in recommended joint treatments, they literally sur-

face weld G-P/Bestwall gypsum Wallboard Panels together, providing smooth interrupted walls with as strong as wallboard. Instructions are included each container.



G-P/Bestwall One-Day Wallboard Joint Compound is a setting type material as opposed to all other joint products which are of the drying type. It is used for bedding tape, especially with wide joints, and all coats preceding the final coat on joints, cornerbead and nailheads. This product does not shrink. A primer must be used over One Day application prior to texturing. (See 1-Day Wallboard Joint Compound Product Sheet G-P 65265.)

G-P/Bestwall Wallboard Joint System Compound—A compound used for both bedding and topping G-P/Bestwall Tape and for spotting nail heads. Sanding may be eliminated by careful application. (See Joint System Product Sheet No. GP 65285)

G-P/Bestwall Topping Compound—Used for finishing taped joints and spotting nail heads. Sanding is unnecessary. Long working and shrinkage. (See Product Sheet GP 65285)

G-P/Bestwall Bedding Compound—Designed to provide maximum adhesion of tape to the joints. It spreads smoothly. This product is off white in color. Hand or machine application.

G-P/Bestwall Ready-Mix Joint Compound—A prepared wet mix product which is used for taping and finishing joints, corner bead, and nail heads. It is available for hand application and for machine application. (See Ready Mix Joint Compound Product Sheet GP 65235.)



G-P/Bestwall All-Purpose Compound is used for bedding tape, topping, corner bead, nail spotting and texturing.

SGP 0002691

G-P/BESTWALL

Specifications for joint treatment of systems partition

Texturing Materials

BESTEX A, B, C

Bestex A, B and C are texture materials designed to produce various texture finishes over drywall construction. Bestex A contains no aggregate and can be used for both hand and spray application to produce textures such as stipple, swirl, spatter and orange peel finishes. Bestex B contains a small amount of aggregate and produces medium coarse textures such as sand finishes. Bestex C contains a large amount of aggregate and produces a simulated acoustical texture finish. Both B and C textures are for spray application only. All three textures produce hard surfaced, white, decorative finishes that have excellent light reflective qualities and hiding power. If desired, Bestex A, B, and C may be textured or can be painted with latex or vinyl paint.

Advantages—Bestex A, B and C

- High pigment content gives excellent hiding power • Superior hardness and whiteness • Economical—excellent coverage • Good water resistance • Excellent light reflective qualities • Can be painted with latex or vinyl paints.

Product Uses*—Bestex A: For hand and spray application over ceilings and walls constructed with gypsum wallboard. Produces fine texture finishes. Aggregate may be added for heavier textures if desired.

Bestex B: For spray application over ceilings and walls constructed with gypsum wallboard. Produces medium coarse texture finishes.

Bestex C: For spray application over ceilings constructed with gypsum wallboard. Produces coarse texture finishes.

*Bestex A, B, and C can be used over interior concrete surfaces if bare metal is primed with a rust inhibitor. (See Bestex A, B, and C Product Sheet—GP 65225)

Scope—All walls and ceiling surfaces are included. Furnish all labor and material necessary to reinforce and conceal joints between gypsum wallboards and cover nailheads in a first-class workmanship manner.

Materials—1. One-Material Treatment—G-P/Bestwall Joint System Compound, Triple Duty Joint Compound, or G-P/Bestwall Ready Mix Joint Compound. Used for bedding and for spotting nailheads.

2. Two-Material Treatment—G-P/Bestwall Bedding Compound or G-P/Bestwall One Day Wallboard Joint Compound and G-P/Bestwall Topping Compound.

Apply G-P/Bestwall Wallboard Joint Compound, Triple Duty Joint Compound, Ready Mix Joint Compound, One Day Wallboard Joint Compound or Bedding Compound, and embed tape leaving uniform thickness of material under tape. Cover nail or screw heads in field of board at each application of material in joints.

(If joints are irregular or have wide cracks in some places and boards are not in same plane apply G-P/Bestwall Wallboard Joint Compound, Triple Duty Joint Compound, Ready Mix Compound, One-Day Wallboard Joint Compound or G-P/Bestwall Bedding Compound to taper edge joints, end joints and nail heads. Shear off surplus leaving no material on high edges. Allow 12 hours drying before taping, leaving uniform depth of taper for uniform shrinkage of joint finishes over and under tapes.)

Joint Work—When Wallboard Joint compound, Triple Duty Joint Compound, Bedding Compound or Ready Mix Joint Compound has dried completely, cover taped joints with Wallboard Joint Compound, Triple Duty Joint Compound, Ready Mix or Topping Compound. (When

1-Day Wallboard Joint Compound is used, the taped joint can be covered as soon as initial coat is set and before it is dry.) Shear off surplus leaving uniform coverage over tape with edges well feathered.

When preceding coats are completely dry (where 1-Day is used it is only necessary for it to be hardened, not completely dry) cover joints second time with Wallboard Joint Compound, Triple Duty Joint Compound, Ready Mix Joint Compound, or Topping Compound. Shear off surplus leaving smooth, well feathered joint.

For best results and more uniform suction for decoration, apply skim coat of Wallboard Joint Compound, Triple Duty Joint Compound, Ready Mix Joint Compound or Topping Compound over entire surface shearing off excess material tightly. (See Joint Treatment Product Sheet GP-65285)

Texturing—G-P/Bestwall Bestex A, B, and C can be used to produce various texture finishes over drywall construction. Bestex A produces fine texture finishes, B produces medium sand texture finishes and Bestex C produces coarse simulated acoustical texture finishes. Bestex A can be applied by hand or spray while B and C spray application only. All provide excellent hiding power, superior hardness and whiteness. (See Bestex A, B, and C Product Sheet GP-65225).

Decorating—Gypsum Wallboard properly prepared can be decorated with any treatment ordinarily used for walls or ceilings. Surface shall be sealed with vinyl or pigmented varnish primer before any decoration, including texture.

G-P/BESTWALL GYPSUM CATALOGS

See "Georgia-Pacific/Bestwall Guide to Products for Gypsum Ceiling Systems" for complete information on gypsum lath and plaster and gypsum wallboard ceiling systems installation data and recommendations.

See "Georgia-Pacific/Bestwall Guide to Firestopper Poured-in-Place Roof Decks." See "Georgia-Pacific Guide to Products for Structural Sheathing, Subflooring and Decking."

See "Georgia-Pacific Guide to Products for Concrete Forms."

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