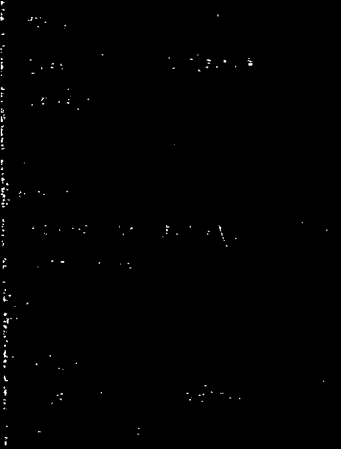


Drywall AGE

FIRST FORUM OF THE DRYWALL INDUSTRY • ISSUE 4, 1960

PLAINTIFF'S EXHIBIT

USG-1595



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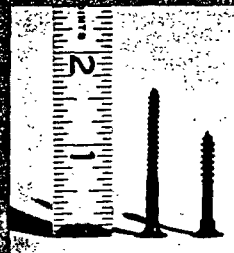
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DRYWALL TAPERS AND FINISHERS have secured trade recognition from the International Union of Gypsum Drywall Contractors, Painters, Decorators and Paperhangers of America. A new national agreement protects craftsmen here from strikes or work stoppages and sets up National Joint Board to negotiate matters which cannot be solved locally.

WOOD STUDS LOSE THEIR POP with release of U.S.G. of new screw for attaching gypsum wallboard to wood framing. Full specifications for use of power-driven 1/8-in. dia. screw, type U, is published in next issue of DRYWALL AGE. U.S.G. also announces new 1/8-in. dia. screw for applying metal plate hangers to wood studs and channels.



GYPSUM ASSOCIATION promotes drywall as tile base in new code of practice. Film, "Sound-slide and demonstration of correct application of masonry techniques which have caused building code boards to ban gypsum wallboard as tile base in bathroom and shower areas. Film may be obtained from Gypsum Association, 201 N. Wells St., Chicago 6. See page 1 for more information.

ON-THE-JOB COMPARISON of production and cost figures on wood framing application of Drywall Furring Channels has earned a major apartment contract for Cleveland Gypsum Drywall & Decorating Co. Savings from 150 system's 100% increase in production enabled job to be upgraded from 1/2-in. to 1-in. gypsum wallboard. Opponents of the advantages of USG Ceiling and Partition Systems in commercial drywall construction are lined in next issue of DRYWALL AGE.

*From sound control to
texture, this contractor*

Offers what they want... with SHEETROCK

WHEN MILWAUKEE BUILDERS ask drywall contractor Al Ciha the best way to solve a construction problem they invariably hear the same answer: "Use SHEETROCK." Convinced that flexibility is the best way to attract and hold customers, Ciha is equally sure that gypsum drywall can provide the best answer to almost every design or decorative requirement.

Both beliefs were tested and proven recently in a series of apartment buildings constructed for Milwaukee's Federal Home Builders. To achieve the high sound transmission loss required for multiple unit dwellings, Ciha worked out an acoustical ceiling system using BAXBORD gypsum backing board, USG resilient clips and SHEETROCK FIRECODE gypsum wallboard.

Nailing the clips to ceiling joists was the first step. BAXBORD panels were then clipped into place, and a face layer of SHEETROCK was adhered to the backing board. Double-headed nails held face layer in

place until adhesive gained full bonding strength.

When completed, the entire ceiling was suspended from the spring steel resilient clips designed to reduce the amount of upstairs noise transmitted to the apartment below. Recognition of this ceiling construction came in approval by the Milwaukee FHA office of its use on Sec. 207 apartment construction.

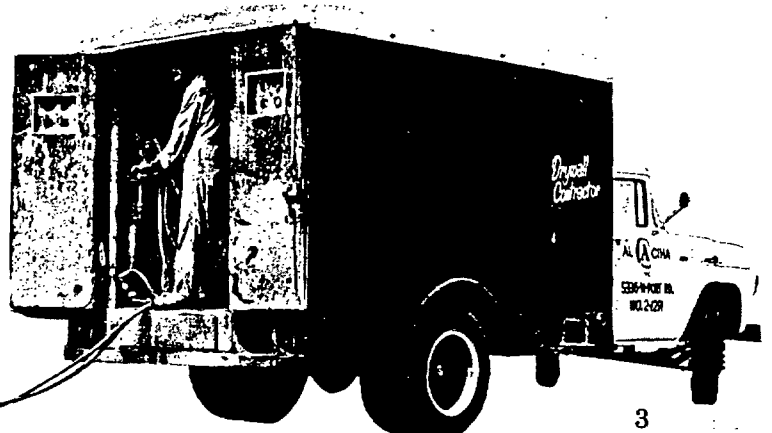
Another original Ciha development is his method of providing gypsum wallboard ceilings and walls with the texture finish preferred by Milwaukeeans.

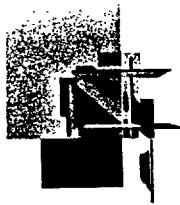
Reluctant to purchase an air compressor and spray machine solely for use in the apartment buildings, Ciha installed his old unit in an enclosed truck. Thus mobilized, the finisher can drive right up to a door of the building to be sprayed and go to work without wasting time setting up the equipment. As a result, a single applicator in the mobile unit is able to spray-finish apartments as they are ready and complete Ciha's widely scattered custom-built home jobs as well.



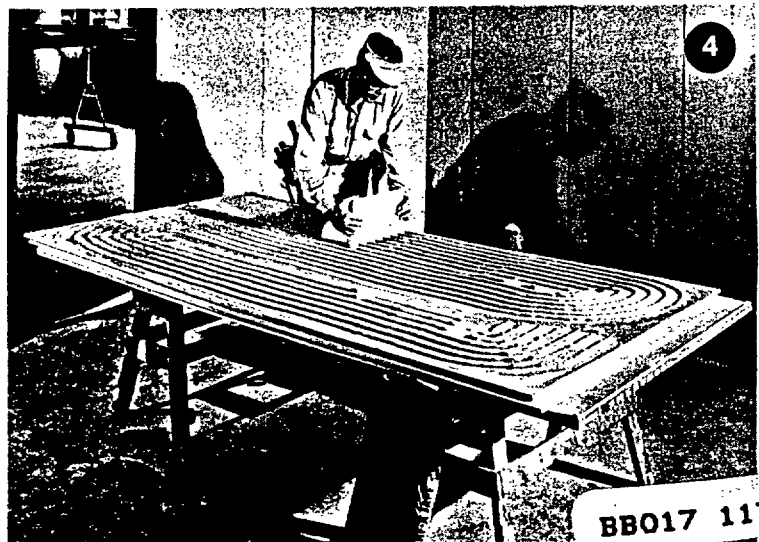
SINGLE SPRAY COAT provides walls and ceilings with textured finish favored by Milwaukeeans. In addition to creating decorative appearance, texture coat obscures minor blemishes sometimes overlooked during taping and spotting operation.

MOBILE UNIT (below) containing compressor and spray equipment makes it easy for single applicator to spray finish widely scattered jobs as they are completed by Ciha's crews.





New USG Solid Partitions make it easy to



Save space with drywall



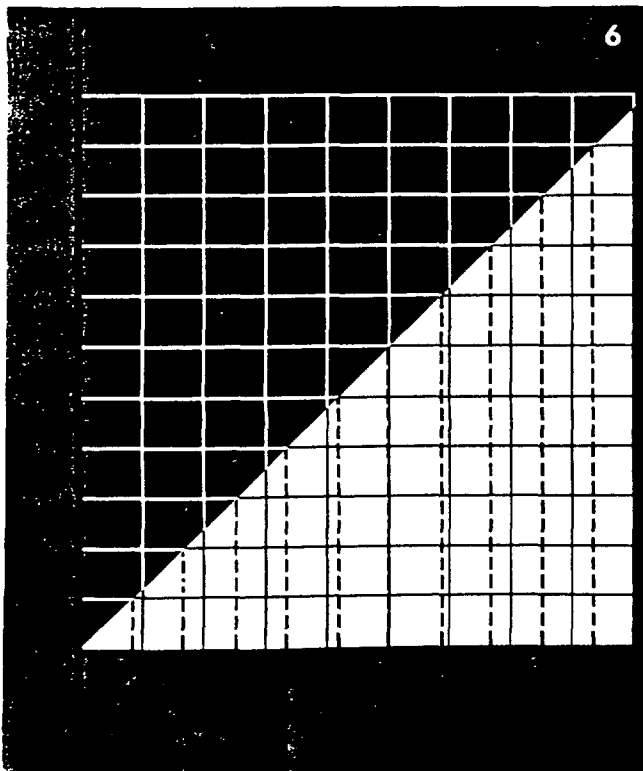
SAVE space easier, move in earlier — with gypsum drywall.

These are the major sales appeals of two new U.S.G. Solid Partition systems; the latest in the NEW PERSPECTIVES series of drywall advances for commercial construction. Developed to divide high-cost commercial and industrial space with minimum reduction of usable floor area, the USG 2-in. Solid and Double Solid Gypsum Drywall Partitions appeal strongly to architects and building owners (see chart below).

Earlier occupancy is also assured by economical drywall construction which eliminates moisture problems encountered with other partitions. Simplicity of design and ability to receive any decoration are advantages that make both USG Solid Partitions easily adaptable to any decor. Conventional joint treatment is used to finish both partitions.

The USG 2-in. Solid Partition is an incombustible, non-load-bearing wall which provides an average 36 db sound transmission loss rating and 1½ or two-hour fire rating, depending upon type of facing. The partition is constructed in place by laminating face layers

continued



USG 2-IN. SOLID PARTITION

- 1 AS FIRST STEP** in erection, custom metal runners are attached to ceiling and floor.
- 2 1-IN. COREBOARD** is cut to fit door frame before being installed in floor and ceiling runners.
- 3 CORE SPACER CLIP** centers coreboard in runners to insure accurate alignment of vertical tongue-and-groove edges.
- 4 PERF-A-TAPE JOINT COMPOUND** is applied to back of SHEETROCK face layers prior to lamination to coreboard.
- 5 WALLBOARD SCRAPS** may be temporarily nailed at third points along vertical joints to insure proper alignment and adhesion of face layers. Nail holes are covered in taping.
- 6 MORE SPACE MEANS MORE INCOME:** Diagonal line shows square feet of floor space gained per 100 lin. ft. of USG 2-in. Solid Partition over other partitions. Multiply this figure by number of 100 lineal feet units in a job to determine total gain in usable floor space. Multiply total gain by monthly rental per square foot to determine increase in monthly rental received. Clip and use this chart with building owners or managers.

Codes threaten drywall as tile base:

Don't slip on the bathtub!

RECENT federal agency and local building code restrictions in widely separated areas of the country prove that the smallest room in the house often gives drywall contractors the most trouble. Resulting from improper installation of gypsum wallboard as a base for tile around bathtubs, these restrictions threaten drywall's hard-earned quality reputation in the entire house. Builders do not welcome the need to bring in a second trade to do only the base for setting tile.

To meet this problem before it becomes widespread, the proper steps for preparing gypsum wallboard as a base for tile around bath fixtures are outlined below as a checklist for drywall contractors experiencing difficulty with such applications.

WALLBOARD APPLICATION

1. Framing members should be plumb, true and spaced not more than 16 in. on centers.
2. Lip of tub or shower receptor must be flush with outside face of the gypsum wallboard. Blocking behind fixture or furring-out studs may be necessary to achieve proper spacing.
3. Use only full sheets of wallboard applied horizontally with paper-bound edge down and parallel with tub edge. *The bathroom is definitely not the place to use up scraps of board which create unnecessary butt joints.*
4. A $\frac{1}{4}$ -in. space should be left between the lower edge of the wallboard and the tub lip to prevent capillary action by water. This can be easily achieved by inserting a temporary wood spacer when installing the board.
5. All joints and nailheads must be taped and finished in the same manner as if the wall were to receive decoration other than tile.
6. Seal entire surface of gypsum wallboard with a full brush coat of SHEETROCK Sealer. Make sure all edges of the wallboard at tub lip and plumbing fixture cutouts are well coated. Allow Sealer to dry completely before applying tile.

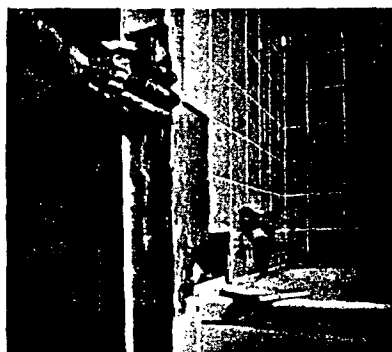
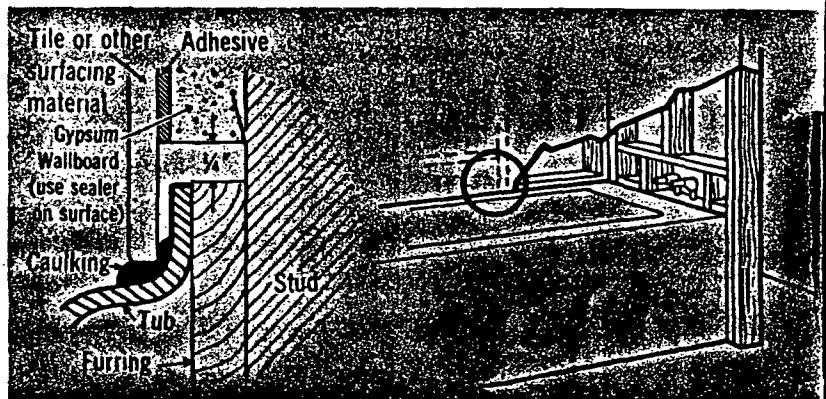
TILE APPLICATION

Despite perfect installation of wallboard base, the entire wall can be rendered unsatisfactory by improper tile application. Insist that these three steps

be followed, and the finished wall will meet the most exacting specifications:

1. Caulk openings for pipes and fixtures with non-setting, waterproof compound before applying tile.
2. Apply tile according to manufacturer's specifications, using a water-resistant, solvent-type organic adhesive. The first row of tiles should be placed over the $\frac{1}{4}$ -in. space to meet the rim of the tub.
3. Spaces between tile and fixture should be caulked with a non-setting compound to complete the job.

Why let bathtubs wash drywall's reputation down the drain? Properly applied, gypsum wallboard provides a top-quality tile base at a \$75 savings per bathroom under the cost of other materials. Keep your local building officials aware of these facts to prevent restrictions that will penalize both you and your builder.



UNSEALED GYPSUM WALLBOARD drew moisture from adhesive preventing proper bond with tile in this bathroom. Heavy brush coat of SHEETROCK Sealer could have prevented costly call-back to repair entire wall.



FAILURE to leave $\frac{1}{4}$ -in. gap between bottom edge of wallboard and tub lip allowed water to rise up gypsum core like oil in a wick, weakening entire area around tub faucet.

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five ways!



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