DIRECTIONS FOR APPLYING PERF-A-TAPE FOR REINFORCING SHEETROCK JOINTS

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Packaging

Perf-A-Tape* Reinforced Joint System is a method of construction by which the joinings between Sheetrock* boards are "welded" together with *A SPECIALLY PROCESSED PERFORATED FIBER STRIP* bonded to the board with A *JOINT CEMENT* of unusual strength and adhesiveness.

Perf-A-Tape Reinforced Joint System is available in boxes packed as follows. Approximate covering capacity and proportions of water for mixing are also shown.

Package	Lineal Feet of Perf-A-Tape	Will Treat Joints of Approx. area of Sheetrock shown.	Water required to mix proper consistency temperature 70 to 90°† (Do not use hot water)
Small	60 feet	120 to 150 sq. ft.	2¾ to 3 pints
Medium	250 feet	500 to 650 sq. ft.	11 to 11½ pints
Large	500 feet	1000 to 1300 sq. ft.	27½ to 29 pints

†IMPORTANT: WHEN CEMENT IS FIRST MIXED WITH THE PROPER AMOUNT OF WATER, IT IS TOO STIFF FOR IMMEDIATE USE. AFTER THE POWDER HAS HAD TIME TO COMPLETELY DISSOLVE, THE CEMENT BECOMES THINNER. SEE PAR. 2.

Application and Preparation of Sheetrock

Sheetrock should be applied with edges butted. Do not force edges in butting together. All cut edges and mill ends should be smoothed with coarse sandpaper. Any joinings between Sheetrock boards, more than ⅛ inch open, should be filled with Sheetrock Finisher, or Red Top Patching Plaster. See illustrated Sheetrock Direction sheet (WB-76) for details and illustrations of Sheetrock application.

Directions

MIXING

CAUTION: DO NOT MIX MORE CEMENT THAN CAN BE USED IN ONE DAY—CEMENT MUST NOT BE ALLOWED TO STAND OVER NIGHT.

1. Stir continuously while adding cement to the water and be sure to get batch completely mixed. The best consistency for the Joint Cement is a little thinner than putty, but thick enough so it can be handled without excessive droppings.†

2. After the mixed Cement has stood for one-half hour it is ready for use.† CAUTION: Never add Plaster of Paris or any other material to the Cement.

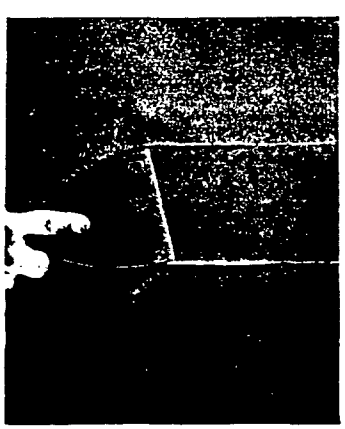
APPLICATION

3. With a semi-flexible broad knife, 4 inches or more wide, *(PREFERABLY A SHEETROCK PERF-A-TAPE JOINT FINISHING KNIFE)* cover the joint with cement.

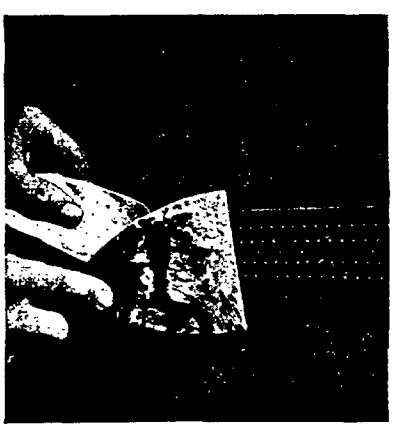
4. Place the fiber strip over the cement, centering on the joint. Draw the broad knife over the fiber strip forcing out the excess cement. The tape must be pressed down firmly to give good contact with the cement. If cement is mixed to proper consistency there is little danger of its being forced entirely from under the tape. The back of the tape should be moistened with cement during this operation.

*Reg. Trade Marks

PLAINTIFF'S EXHIBIT
USG-1649



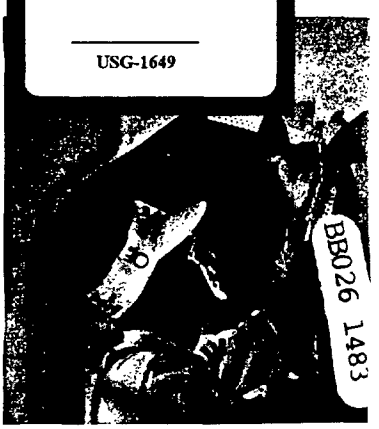
1. Apply cement to joint.



2. Put Perf-A-Tape in place.



3. Sand smooth after covering tape with cement and allowing to dry.



4. Reinforce inside and outside corners. To reinforce curved part of arch, fold tape and bend, after cutting outside "wing" into 1-inch sections.

5. Completely cover the tape with cement. The thickness of cement over the tape should be approximately 1/32 inch.

6. Corner angles, both inside and outside, should be treated the same way. For the outside angles before putting it in place. Perf-A-Tape is fitted to curved angles (such as arches) by folding lengthwise and cutting the outside half into ½ inch sections from outside edge to center of the tape.

7. For best results allow the cement to become thoroughly dry, then after sanding lightly to smooth any rough spots, apply a coating of cement over the tape to level the surface and feather out the edges to a width sufficient to produce a smooth level joint. When dry, use fine or medium sandpaper to remove any roughness or unevenness.

8. Caution: Do not apply this joint system to hot surfaces, such as adjacent to hot pipes or hot radiators. Do not apply in a draft of hot, dry air. These conditions cause too rapid drying. In hot, dry weather or under unusually rapid drying conditions, be sure to observe Paragraph 5, covering the tape with cement before leaving it to dry.

CONCEALMENT OF INTERMEDIATE NAILHEADS

9. Spot all intermediate nailheads with the Perf-A-Tape Joint Cement. If first application doesn't produce a level surface over nailheads, apply a second coat after first coat is dry.

10. In areas of high humidity, or where unvented gas heaters are used, after joint treatment has thoroughly dried, wall and ceiling areas should be sized, with a primer coat consisting of a good grade of varnish (mixing or wall) size, (do not use gloss oil), to which has been added a small quantity of whiting or fine pumice. When Textone or other texture paint is used, apply the size over the texturing material. Under any ordinary conditions good results may be obtained by using K-Cemo primer.

When Paint or Wallpaper is Used

Where paint or wallpaper (particularly paint) is to be used for decorating over the Reinforced Joint more care must be taken to make a smooth, even job. Joints and nailheads should be carefully sandpapered after the cement is dry, otherwise slight imperfections and rough places may show under paper or thru paint. When wallpaper is used and it is desired to remove it later, size the entire wall area with varnish size or any hard size that will not soften in removal of paper. When paint is to be used the entire surface of board must be sized to bring surface to uniform texture and absorption. Best results will be obtained with K-Cemo primer both under oil paint and Texolite*.

When Textone and Texolite Finish is Used

Apply Textone* over entire area to proper texture.

When Perf-A-Tape is Used to Repair and Reinforce Cracks in Plaster

PREPARATION OF SURFACE

Remove old calcimine, scaling paint, wallpaper, or water-soluble coatings. If the finish coat of plaster or lime is not firm and solid, remove enough of the surface material to expose a strip of solid plaster 2½ inches wide, centered on the crack. Wherever Sheetrock Finisher or patching plaster has been used to fill a crack, the surface of the board should be carefully cleaned of all such material before applying the joint cement in order to secure a good bond.

PREPARATION OF CRACKS OR BREAKS MORE THAN ⅛" ACROSS

Fill crack with Red Top Patching Plaster, if break is more than ⅜" across; otherwise either patching plaster or Sheetrock Finisher may be used. Allow to set (not necessarily bone dry) before applying Perf-A-Tape.

MIXING AND APPLICATION

Mix and apply Perf-A-Tape in same manner as directed for reinforcing Sheetrock joints. Apply tape centered over the crack as nearly as possible, cutting tape into pieces where necessary.

SECOND APPLICATION OF CEMENT

After tape is applied and coated over once with Perf-A-Tape Cement, allow to dry and apply the final coat, spreading the cement out four inches on either side of center of tape. After this is dry, smooth any irregularities or ridges, using fine sandpaper.

Caution

Perf-A-Tape is not recommended for use over surfaces other than plaster and Gypsum board.

The use of Perf-A-Tape for repairing plaster cracks is suggested as an improved method of preparing the wall for redecoration, but the United States Gypsum Company assumes no responsibility in case the repair does not hold.

If the settlement or movement causing the original crack continues, the usual result is failure at the repaired crack, or the appearance of another crack elsewhere in the same wall. This condition would indicate a structural difficulty, which would have to be corrected before the wall surface could be successfully repaired.

HISTORICAL FILE
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(Patented Under U. S. Patent Numbers 1,657,332: 2,047,982)

UNITED STATES GYPSUM COMPANY

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*Reg. Trade Marks

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