

IMPERIAL® Tape

For reinforcing joints in veneer plaster interiors

from United States Gypsum Company

- Provides smooth concealment at flat joints, inside corners
- Superior flexibility speeds application to joints
- High strength, resists cracking
- Special weave speeds plaster embedment, reduces raveling
- Types for self-stick and stapling

Simplified, wrinkle-free attachment of self-stick Type P IMPERIAL® Tape speeds joint reinforcing, boosts production.

IMPERIAL Tape is designed to reinforce joints of IMPERIAL® Gypsum Base prior to finishing with IMPERIAL® or DIAMOND® Veneer Plaster Systems. High tensile strength glass fibers are specially woven into an open mesh, coated with a binder. The open weave of the tape provides for excellent keying of plaster during plaster embedding. Specially woven long strands and the binder coating reduce edge raveling and fraying. Available in two types:

Type P with pressure-sensitive adhesive backing. Selected for quick, self-stick hand application; saves installation time and fastener cost.

Type S with plain back, fastened with staples, lower cost than Type P.

Type P is available in 2-in. and 2½-in. tape widths. Type S available in 2½-in. width only.

Advantages

Provides high-strength joints. With approximately 100 meshes per sq. in., IMPERIAL Tape provides reinforcing and keying of plaster to resist cracking. Average tensile strength of tape exceeds 70 lb. per in. width and 70 lb. per in. length. The glass fibers lay flat, minimize stretching during application and use.

Speeds application. IMPERIAL Tape flexes readily to permit fast hand application to flat joints and interior angles. Both types of tape offer wrinkle-free attachment without spring-back or distortion. Type S Tape is quickly affixed with ¼-in. staples at staggered 24-in. intervals. Type P Tape is lightly hand-pressed in place, then securely bonded with a steel finishing knife or trowel. Type P tape cuts taping time up to 50%, saves staple cost and makes embedding easier because there are no staples to impede the trowel.

Reduces callbacks. This thin tape, about 1/100-in. thick, is easily covered by veneer plaster. It is inert and will not stain or discolor plaster. The adhesive used in Type P Tape is resistant to bacterial and fungus growth. The special coating of IMPERIAL Tape, together with its specially woven strands, adds resistance to edge raveling and fraying, keeps loose threads from defacing finished surfaces. With these features, smooth surfaces of hard veneer plaster are easily obtained and callbacks to repair joints are minimized.

Individually wrapped rolls. Provide for clean, long-term storage and convenient job use with less chance for damage.

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Architectural Specifications

notes to architect

For additional information on related products and assemblies using IMPERIAL Tape, see other data sheets in this series and Architectural Technical Folder SA920.

Part 1: general

1.1 scope—Specify to meet project requirements.

1.2 qualifications

All materials, unless otherwise indicated, shall be manufactured by United States Gypsum Company and shall be installed in accordance with its current printed directions.

1.3 delivery and storage of materials

All materials shall be delivered in their original unopened packages and stored in an enclosed shelter providing protection from damage and exposure to the elements. Damaged or deteriorated materials shall be removed from the premises.

1.4 joint embedment

To obtain maximum joint strength IMPERIAL Type P or S Tape shall be embedded with IMPERIAL Finish or Basecoat or DIAMOND Interior Finish or Veneer Basecoat and allowed to set prior to veneer plaster application.

1.5 environmental conditions

a. In cold weather, all glazing shall be completed and the building heated to a minimum of 55 °F (13 °C) before gypsum base installation. Air circulation shall be kept at a minimum level during veneer plastering until the plaster is dry.

b. SHEETROCK Joint Tape and SHEETROCK® Setting-Type Joint Compound (DURABOND® or EASY SAND™) must be used to treat all joints and internal angles when any of the following conditions exist: Rapid drying conditions due to low humidity, high temperature and excessive evaporation; metal framing is specified; 24"

o.c. wood frame spacing and a single layer gypsum base veneer system is specified ($\frac{5}{8}$ " base with one-coat veneer finish and $\frac{1}{2}$ " or $\frac{3}{8}$ " base with two-coat veneer finish). Allow joint treatment to set and dry thoroughly before plaster application.

Part 2: products

2.1 materials

a. Gypsum Base: (type) (thickness) (width) (length).

b. Screws: (length) (type).

c. Joint Reinforcement: IMPERIAL Tape (Type P, 2 in.) (Type P, 2½ in.) (Type S, 2½ in.).

d. Veneer Plaster: (select appropriate product for gypsum base).

Part 3: execution

3.1 gypsum base

a. Position and install gypsum base in accordance with manufacturer's recommendations.

3.2 joint treatment

Apply IMPERIAL Tape over full length of all gypsum-base joints. Do not overlap tape at intersection.

a. Type P Tape—Align 2½ in. tape over joints and angles and press in place over entire length. To eliminate wrinkles and ensure maximum bond, press entire length of tape with a steel finishing knife or trowel; press tape into corners with a corner tool. Use 2 in. tape to reinforce flat joints.

b. Type S Tape—Attach 2½ in. tape with spring-driven hand stapler using $\frac{3}{8}$ in. staples. Use two staples at each end of tape; staple remainder at staggered 24 in. intervals. At wall-ceiling intersections and interior angles, staple tape every 24 in. along ceiling or on one edge only. Use 2½ in. tape to reinforce flat joints.

3.3 veneer plaster application

Apply appropriate product according to manufacturer's directions.

Economical Type S IMPERIAL Tape is rapidly stapled.

Product Data

Materials: 100% woven glass fiber scrim.

Weave: Leno.

Openings: 100 per sq. in.

Widths: Nom. 2 in. and 2½ in., Type P; nom. 2½ in., Type S.

Thickness: Nom. 0.010 in.

Color: Type S—white
Type P—white.

Tensile Strength:

Cross Direction—70 lb. per in.

Long Direction—70 lb. per in.

Coverage: 370 lin. ft. tape per 1,000 sq. ft. of gypsum base.

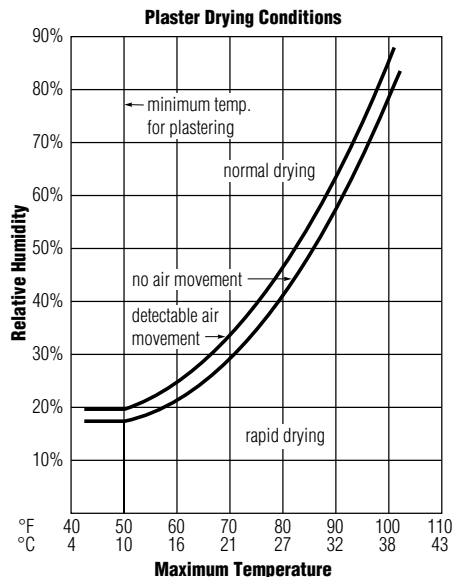
Packaging: 12 rolls @ 300 ft., individually wrapped rolls.

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NOTE: All products described here may not be available in all geographic markets. Consult your local U.S. Gypsum sales office or representative for information.

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SAFETY FIRST! Follow good safety and industrial hygiene practices during handling and installing all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and/or literature on products before specification and/or installation.



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