



Gyp-Lap *and* Oriental Stucco Construction *for Frame Buildings*

AN IDEAL stucco construction, consisting of an economical, fireproof, rigid, insulating and water-resisting base of interlocking gypsum sheets; a galvanized, self-furring, steel reinforcement; a permanently strong ready-mixed stucco base coat; and an attractive, permanent, waterproof stucco finish coat in a variety of colors which takes readily either texture or trowel finish.

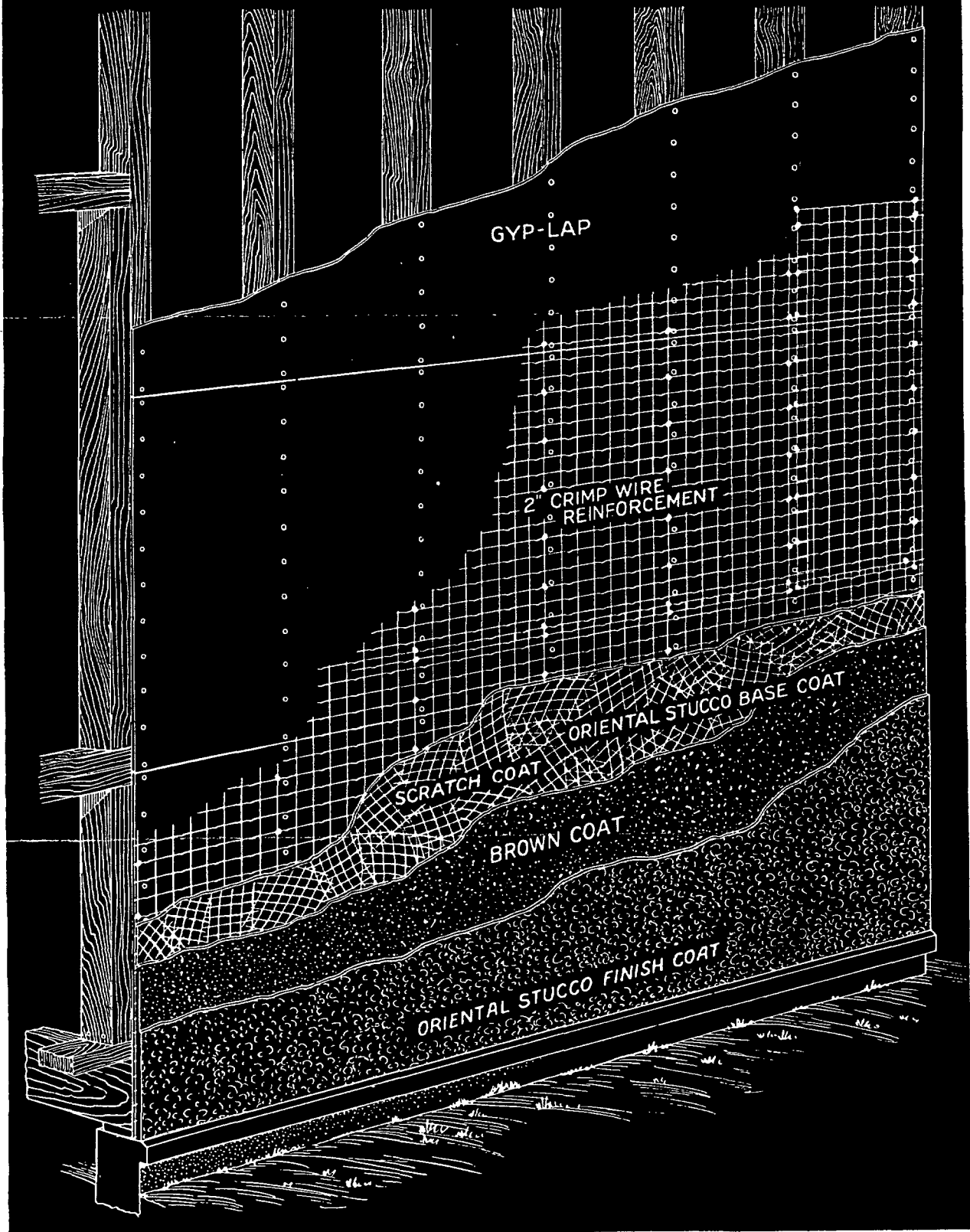


UNITED STATES GYPSUM COMPANY

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Boston	Baltimore	Pittsburgh	Cleveland	Minneapolis	Omaha
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Detail of Construction



A Permanent, Economical, Fire-Resisting Stucco Construction for Frame Buildings

FRAME BUILDINGS with an exterior of stucco are constantly growing in popularity. There has been a limitation on this type of construction because of structural conditions and the difficulty of producing the desired texture and uniform color in the stucco.

After a careful and extensive research and investigation, the United States Gypsum Company has perfected an ideal type of stucco construction for frame buildings which provides a structurally perfect base and reinforcement with a scientifically compounded, factory-mixed stucco in a variety of colors.

The Base—Gyp-Lap

Gyp-Lap is gypsum in sheets $\frac{1}{2}$ " thick, 32" wide, 8' long, to fit supports on 16" centers. It is used in place of the usual wood sheathing and building paper, and is the strongest insulating material known. It cuts and nails as easily as lumber, and is made to fit any building condition.

The large, quickly-erected sheets interlock and effectively seal the wall, insulating the structure against heat and cold and forming a perfect fire-stop. Because Gyp-Lap does not swell, warp, shrink or crack, this insulation and protection is permanent.

The strong, rigid sheets of Gyp-Lap are nailed across the studs, thus thoroughly bracing the wooden frame, and effectually resisting the racking wind stresses that frequently cause stucco to crack on walls built in the ordinary way.

The outer surface of Gyp-Lap is specially waterproofed to prevent the absorption of water from the stucco when it is applied, thus assuring the proper setting of the stucco into a hard, strong and permanent wall covering.

Gyp-Lap can also be economically used instead of wood sheathing with brick veneer or clapboards, and gives to these types of construction greater strength, fire-resistance and insulation.

The Reinforcement

Architects and builders know that the best stucco construction must include a suitable reinforcement that will take up all stresses due

to expansion and contraction. Such reinforcement must be of a type that will become thoroughly embedded in the stucco, thus assuring its permanence.

In the Gyp-Lap and Oriental Stucco construction for frame buildings, reinforcement is provided by nailing over the Gyp-Lap an electrically welded, 2-inch mesh fabric of No. 14 gauge cold drawn steel wire, thoroughly galvanized, thus preventing any possibility of corrosion.

This reinforcement is crimped so that it is self-furring, which makes certain its complete embedding in the stucco and prevents the use of too thin a base coat, which would cause cracking. Placed over Gyp-Lap, the reinforcement back-plasters itself without waste of stucco.

The reinforcement is furnished in rolls 48" wide and $112\frac{1}{2}$ feet long, containing 50 square yards of fabric. It is fastened with special galvanized nails supplied with each roll. It is easily and quickly applied.

Oriental Stucco

Oriental Stucco is the product of careful and thorough investigation and research by the United States Gypsum Company to develop a stucco that would not be subject to the limitations that have prevented a wider use of stucco construction.

Oriental Stucco Base Coat is a base scientifically factory-mixed with the correct proportion of uniformly graded, carefully selected sand and other ingredients to make it plastic and waterproof. Factory mixing prevents oversanding or improper proportioning of other ingredients on the job. Its uniformity assures perfect joinings of various mixes that will not show through the delicate coloring of the finish coat. Being ready for use by adding water only, it is economical of time and labor and assures a base of uniform color and strength.

Oriental Stucco Finish Coat is a hydraulic lime base mixed with mineral colors and prepared with ingredients that make it waterproof and non-staining. The formula used is based upon the methods used in producing the famous Old World

stuccos and one successfully used in America for more than a decade.

Oriental Stucco Finish Coat is furnished in white and eleven standard colors. All ingredients including the mineral colors are mixed by automatic machinery, which accurately weighs each ingredient. A uniform color and correct mixture is thus assured, entirely eliminating the unavoidable variations when stucco is hand mixed on the job.

The beautiful colors of Oriental Stucco Finish Coat are permanent and unaffected by extremes of heat or cold. It sets slowly enough to permit proper finishing, thus avoiding unsightly streaks or shading. It can be troweled or given any desired texture. It is ready for use by adding clean water only.

Oriental Stucco Base and Finish contain no ingredient that will in any way weaken or corrode the steel reinforcement.

SPECIFICATIONS

Gyp-Lap and Oriental Stucco for Frame Construction

General Specifications

A satisfactory job of exterior stucco cannot be obtained unless the usual precautions are taken in planning the structure. Foundations must extend above grade, so the stucco does not come in contact with the ground; proper drip must be provided at all projecting parts; eaves must overhang the walls; all openings properly flashed; and down spouts, gutters, etc., applied before starting the stucco.

Gyp-Lap

Apply Gyp-Lap crosswise of studs. Use 10½ gauge galvanized flathead roofing nails, 1¾" long, spaced 4" apart and ¾" from edge of boards. Make all joints tight. Break vertical joints.

Reinforcement

Apply reinforcement across the studs with crimps against the Gyp-Lap. Nail 6" apart on studs with special No. 10 gauge 4¾" nails supplied with each roll.

Make all side and end laps not less than 1". Do not butt ends or sides. Carry reinforcement around all corners to first support.

Oriental Stucco Base Coat

Add clean water only to Oriental Stucco Base Coat and apply in two coats. First coat to be not less than ½" thick, and scratched. Apply second coat, not less than ⅜" thick after scratch coat has thoroughly dried. Properly float this coat to straighten the work.

Oriental Stucco Finish Coat

Add clean water only to Oriental Stucco Finish.

After the second base coat is completely dry, spray it down to cut suction and apply finish coat not less than ⅛" and not more than ¼" thick, depending on the finish desired.

The finish coat may be troweled smooth or given any desired texture. Write for special direction sheet on application of Oriental Stucco.

Order Oriental Stucco Finish Coat by number.

GENERAL DATA

Gyp-Lap is furnished in sheets 32" by 8' and ½" thick.

Reinforcement is furnished in rolls 48" wide and 112½ feet long, containing 50 square yards. Sufficient special nails are included with each roll.

Oriental Stucco Base Coat is furnished in 80-lb. paper bags ready for use with the addition of water only. One ton used for scratch and brown coats as indicated above will cover approximately 20 to 25 square yards.

Oriental Stucco Finish Coat is furnished in 80-lb. paper bags in white and eleven colors ready for use with the addition of water. One ton will cover from 150 to 200 square yards, depending on the texture desired.

For further information address

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