

UNITED STATES GYPSUM COMPANY

Sabinite Acoustical Plaster

300 West Adams Street
CHICAGO, ILL.

For Sales Offices, see page A182

PLAINTIFF'S EXHIBIT

USG-1297

Product

SABINITE ACOUSTICAL PLASTER. (Licensed under Sabine Patent No. 1,458,631, June 12, 1923.)

For Sound Insulation, see pages A24-25.

For Reinforced Roof Tile; Monolithic Roof and Floor Construction, see pages A182-187.

For Pyrobar Partition and Furring Tile; Beam and Column Covering, see pages A430-431.

For Structolite Tile; Structolite Cement, see page A432.

For Fireproof Wallboard, see page B1621.

For Fireproof Sheathing, see page B1624.

For Dry Fill Insulation, see page B1668.

For Fireproof Lath, see page B1731.

For Gypsum Plasters and Finishes, see pages B1763-1765.

For Colored Finish Plaster, see page B1770.

For Exterior Stucco, see page B1780.

For Plastic Paint, see page B2135.

acoustical analysis of the room. It is applied in two successive coats each $\frac{1}{4}$ in. thick, with the regular plasterer's tools.

Purpose

Sabinite Acoustical Plaster is designed to correct the acoustics of auditoriums, churches, lodge halls, gymnasias, courtrooms, ballrooms, theaters, etc. It is also indicated as a quieting agent in hospitals, office buildings, hotels, and similar structures.

Why Sabinite Absorbs Sound

Sabinite Acoustical Plaster absorbs sound because of myriads of minute tortuous passages which proceed from the surface to the interior of the $\frac{1}{2}$ -in. coat. Sound is repeatedly reflected in these passages, losing its energy to heat and friction. The passages are inherent in the material. No skill or art unknown to the commonest plasterer is needed to obtain them.

Absorption

Tests of Sabinite Plaster at Riverbank Laboratories yield a sound absorption coefficient at C4 (512 vibrations) of 30%; at C6 (2048 vibrations, the pitch of office noises) 39% of the sound is absorbed.

Acoustical Analyses

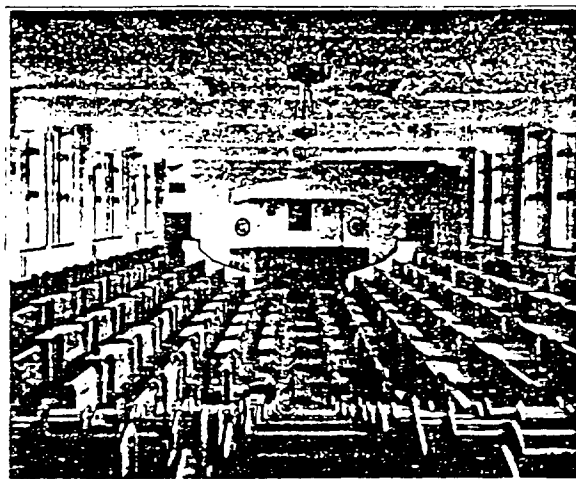
The company maintains a competent corps of acoustical engineers for the convenience of architects. They will analyze any auditorium from the plans before construction, predict the acoustical results and determine proper areas of Sabinite where necessary for the correction of the reverberation time under full performance guarantees. This service is without charge or obligation.

Users of Sabinite

Sabinite Acoustical Plaster has been used on over 200 prominent structures without a single failure to meet all demands made on it. Among these buildings are structures designed by Graham, Anderson, Probst & White; James Gamble Rogers; Bertram Grosvenor Goodhue Associates; Schmidt, Garden & Erikson; U. S. Treasury Department, and many others of similar prominence.

Specification Data

Complete specification data is found in the book "Sabinite--Controlled Sound" obtainable from any representative or office of the company.



Lincoln Hall, Levy Mayer Building, Northwestern University School of Law, Chicago, Ill.
JAMES GAMBLE ROGERS, New York, N. Y. CHILDS & SMITH, Chicago, Ill., Associate Architects
Walls and ceiling of Sabinite

Advantages

Sound absorbing materials previous to the invention of Sabinite were in general fabrics or similar soft fibrous substances—inherently combustible, catch-alls for dirt, vermin, and pathogenic bacteria. Some have conspicuous patterns which do not always fit into the plans for decoration. Sabinite is a hard plastic material which combines ample sound absorption with a permanent finish plaster that will not burn, rot or mould. It is completely sanitary, cleanable and does not provide nesting material nor hiding places for vermin.

Sabinite walls do not cause coniment. They look like other walls and may be painted or integrally tinted to unobtrusively fit into any scheme of decoration, or may be stenciled to form a major note in the beautification of any structure. They are applied by the plastering contractor under direct supervision of a service man furnished without cost by the manufacturer. The absorption of Sabinite is guaranteed by the manufacturer and is secured at usually lower costs per unit of absorption.

Description

Sabinite Acoustical Plaster is designed to combine definite absorption of sound with all of the properties of a finishing plaster. It is the invention of Dr. Paul E. Sabine, director of the most complete acoustical laboratory in the world—the Riverbank Laboratories at Geneva, Illinois.

Use

Sabinite Acoustical Plaster is applied to ceilings or sidewalls in lieu of the usual plaster finish. The area to be covered should be determined after a careful