new HI-LITE

acoustical plaster

PLAINTIFF'S EXHIBIT

USG-1437

so white it's snow white
over 75% light reflective



To meet the widespread demand for a low-cost, efficient, highly light-reflective acoustical plaster, U.S.G. research developed new HI-LITE. Brings the contractor, mechanic and owner every wanted acoustical plaster feature, including the outstanding advantages listed below:

1. A beautiful white finish with over 75% light reflection.
2. Highly efficient sound control.
3. Easy, economical application.

That's new HI-LITE acoustical plaster. Outstanding! Makes it easy to compete in today's important remodeling and new construction markets.

GP039 2102

SPECIFICATIONS

I. GENERAL PROVISION

Temperature and ventilation required by General Plastering Specifications.

II. SCOPE

Areas indicated in schedule shall be finished with acoustical plaster as described herein.

III. MATERIALS

Acoustical plaster shall be USG HI-LITE* Acoustical Plaster as manufactured by the U. S. Gypsum Co. Color shall be white with a light reflection value of 75%.

IV. MIXING

Machine mixing is required. Do not retemper or mix one batch with another. Keep all tools and equipment clean. Mix no more than can be used in one hour.

Use approximately 33 quarts of water per bag of plaster. Add HI-LITE Acoustical Plaster to water and mix until mortar weighs 15-17 pounds net per 12 quart pail. (Approximately 10-15 minutes depending on speed of mixer.)

V. APPLICATION

USG HI-LITE Acoustical Plaster shall be applied in two coats to a uniform thickness of ½". A full scratch and brown coat, either gypsum plaster or portland cement-lime plaster, that has been cross-raked is required over metal lath, gypsum lath and masonry bases (except monolithic concrete).

First Coat—Apply the first coat of HI-LITE Acoustical Plaster ⅜" thick by scratching in and doubling back over a set and dry, partially dry or semi-green basecoat. Darby lightly to a level surface. Allow to set and dry fairly well (at least overnight) before applying finish coat.

Finish Coat—Apply finish coat ⅛" thick to a set and fairly dry basecoat, scratching and doubling back leaving surface free of trowel marks. Work from wet edge to avoid joinings.

When surface gloss has disappeared and surface is crisp and hard enough to give clean perforations, stipple the surface with a rice root stippling brush to a uniform texture.

To obtain a stipple-perforated finish, perforate about 30 minutes after stippling (when surface is hard enough to give clean perforations), but before set. Use perforator furnished by the United States Gypsum Company. Perforations should number approximately 500 per square foot and should be at least 3/16" deep.

Caution—Protect plaster from moisture while in storage. During and after application furnish proper heat and adequate ventilation.

HI-LITE ACOUSTICAL PLASTER TECHNICAL DATA

Sound Absorption Data (1)

	Thickness	Frequency 125	250	500	1000	2000	4000	NRC	Average Light Reflectance (1)
Stipple	½"	.41	.26	.59	.78	.84	.65	.60	.80
Stipple-Perforated (2)	½"	.20	.24	.50	.76	.83	.76	.60	.77

(1) Nationally recognized laboratory.

(2) Stipple-perforated plus four coats of paint, applied in accordance with U.S.G. painting specifications, showed no decrease in noise reduction coefficient (NRC).

VI. APPLICATION OVER MONOLITHIC CONCRETE

Over properly prepared rough monolithic concrete apply USG BONDCRETE* Plaster according to manufacturer's directions and not to exceed ¼" thickness on ceilings nor ⅜" on side walls. Apply HI-LITE over the set, partially dry BONDCRETE basecoat, as specified above.

VII. DIRECTIONS FOR PAINTING HI-LITE ACOUSTICAL PLASTER

Remove all loose dirt or dust from HI-LITE with vacuum cleaner hose and brush attachment.

Paint: Should be water-thinned. TEXOLITE* Standard is recommended. First coat—mix one part TEXOLITE paste to one part water by volume. Second coat if required—mix one part TEXOLITE paste to two parts water by volume.

Spray on with any gun with a medium fine spray. DeVilbiss spray gun, type MBD, with a No. 30 nozzle or equivalent is recommended. Use 30 to 40 lbs. pressure in the gun and 20 to 30 lbs. on the paint.

Hold nozzle 14 to 18 in. away from work. Use a slow, uniform motion. Cover surface in one pass. Do not pass over same area several times as this builds up paint unnecessarily.

Allow at least overnight drying between coats. If weather is extremely humid, allow additional drying as necessary.

*T.M. Reg. U.S. Pat. Off.

GP039 2104

UNITED STATES GYPSUM

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P-25, USG, 10/55