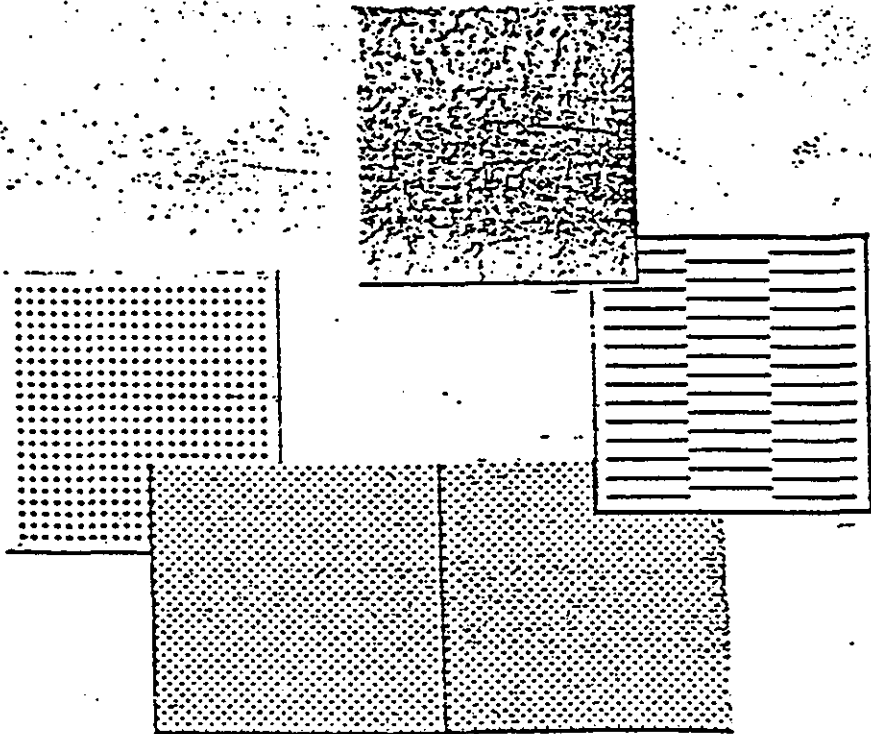


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TECHNICAL INFORMATION

USG

SOUND CONTROL PRODUCTS



1952



United States Gypsum Company

Acoustic products are available in a variety of sizes and finishes. For more information, contact your nearest United States Gypsum Company representative.



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SABINITE* ACOUSTICAL PLASTER

Trowel or Float Finish

DESCRIPTION

SABINITE is a highly efficient acoustical plaster, scientifically prepared to give a continuous finished surface that may be either trowelled or floated. It is manufactured in four standard colors and white and requires the addition of water only.

FUNCTION AND UTILITY

SABINITE Acoustical Plaster is particularly effective for sound conditioning.

Sound Absorption—Noise reduction coefficient of .60 (see table below).

Fire Resistance—Basically a mineral, it is incombustible.

Strong Bond to Gypsum Base Coat—SABINITE has a bonding strength to the gypsum base coat in excess of 500 pounds per square foot.

Beauty—Its fine texture trowelled surface or its slightly coarser float finish surface offers a choice of two beautiful monolithic finishes.

Adaptability—Conforms to any architectural design. Generally applied over new plastered surfaces, but may be applied over most existing surfaces or smooth Monolithic Concrete through use of a special asphalt emulsion bonding coat. (See note 1—following page.)

LIGHT REFLECTION

Laboratory tests indicate light reflection of (.53) for SABINITE Trowel Finish and (.51) for Sabinite Float Finish.

Heat Insulation—SABINITE has a "K" value of .59.

Maintenance—SABINITE (trowel finish) may be cleaned using a putty type wall paper cleaner or with a vacuum cleaner using hose and brush attachment. SABINITE (float finish) may be cleaned with a vacuum cleaner using hose and brush attachment.

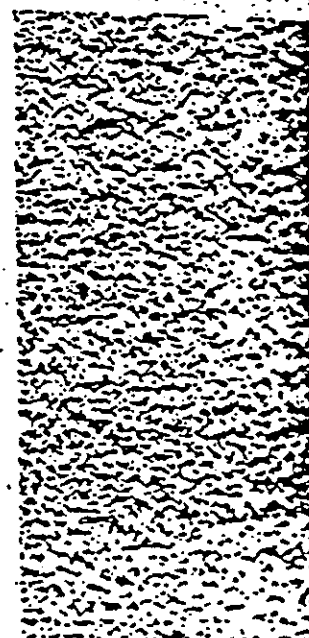
SABINITE may be redecorated with TEXOLITE* paint (Standard or Imperial). Apply according to U.S.G. specification for painting SABINITE.

Easily Applied—Any good plaster craftsman can apply SABINITE.

Economical—Gives more sound absorption per dollar



Trowel Finish



Float Finish

invested than most other commonly used acoustical materials. Low in initial cost.

LIMITATIONS

1. Designed for use on ceilings and areas not exposed to rough usage.
2. Should not be used where exposed to excessive moisture, and should not be used on the exterior where exposed to the elements.
3. To insure best results, SABINITE must be applied in strict accordance with manufacturer's directions.

SABINITE 38

DESCRIPTION

SABINITE 38 is an hydraulic acoustical plaster prepared for use in locations subjected to high moisture conditions over a portland cement-lime basecoat. It is manufactured in white only and provides a float-finish.

Full data available on request.

SOUND ABSORPTION DATA

SABINITE Type	Thickness	1 ft.	2 ft.	3 ft.	4 ft.	5 ft.	6 ft.	7 ft.	8 ft.	9 ft.	10 ft.	Average
Trowel Finish	1/2"	.53	.53	.53	.53	.53	.53	.53	.53	.53	.53	.53
Float Finish	1/2"	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51

(1) Sound absorption test run on trowel finish only.

RED TOP* ACOUSTICAL PLASTER

Stippled or Stippled-Perforated Finish

DESCRIPTION

RED TOP Acoustical Plaster is a specialty plaster having excellent sound absorbing qualities. It may be finished in either a stippled or stippled-perforated surface. To develop its maximum acoustical efficiency it requires mechanical opening of the surface. It must be worked with a rice stippling brush immediately after application of the finish coat; to increase paintability and sound absorption it may then be perforated. It is manufactured in oyster white and requires the addition of clean water only.

FUNCTION AND UTILITY

RED TOP Acoustical Plaster is particularly effective for sound absorbing.

Sound Absorption—Noise reduction co-efficient of .60, stippled-perforated and .55 stippled (see table below).

Flammability—Basically a mineral, it is incombustible.

Surface Appearance—In either finish; stippling reduces possibility of level marks on joinings.

Adaptability—Conforms to any architectural design. Generally applied over new plastered surfaces but may be applied over most masonry surfaces or smooth monolithic concrete, through use of special asphalt emulsion bonding coat.

Highly Retainable—RED TOP Acoustical Plaster may be redecorated with Texolite paint (Standard or Imperial) with little loss in acoustical efficiency. Tests by a nationally recognized laboratory showed RED TOP Acoustical Plaster with a stippled-perforated finish had no loss in sound reduction after 6 spray coats of Imperial Texolite paint were applied. The stipple finish had no loss in absorption after and four spray coats were applied.

Durable Surface—When set and dry RED TOP Acoustical Plaster has an exceptionally hard, tough surface, not easily damaged.

Non-hazardous—RED TOP Acoustical Plaster has a "K" value of 50.

Maintenance—RED TOP Acoustical Plaster may be cleaned with a vacuum cleaner using hose and brush attachment.

Easily Applied—Any good plaster craftsman can apply RED TOP Acoustical Plaster.

Cost Applied Cost—Competes favorably with any other acoustical plaster, and especially against perforated fiber tiles.

Efficiency—RED TOP Acoustical Plaster gives more sound absorption per dollar than most other commonly used acoustical materials.

Directions for application over smooth monolithic concrete, old plastered surfaces or rough monolithic concrete furnished by manufacturer.



Stipple



Stippled-Perforated

LIMITATIONS

1. To insure best results must be applied in strict accordance with manufacturer's directions.
2. RED TOP Acoustical Plaster must be machine mixed to develop the proper mortar weight.
3. Designed for use on ceilings or wall areas not exposed to abnormally rough usage.
4. Should not be used where exposed to excessive moisture, and should not be used on the exterior where exposed to the elements.
5. When perforated, a special perforator with rust-resistant nails should be used.
6. Not recommended over radiant panel heating areas.

PLASTERING SPECIFICATIONS

GENERAL PROVISIONS

For full printed specifications covering the mixing and application of SABINITE Acoustical Plaster, and RED TOP Acoustical Plaster, write for Technical Information folder on Acoustical Plasters, ALA File Number 39-B which also includes the following specifications.

General Provisions for plastering apply to Acoustical Plaster.

Following short form specification may be used in your specifications.

As shown on drawings, all walls and ceilings shall be finished as described.

MATERIALS

Finish Coat—Acoustical plaster shall be (SABINITE Acoustical Plaster (Trowel Finish) (Float Finish) (Type 38)) (RED TOP Acoustical Plaster (Stipple Finish) (Perforated Stipple Finish)).

(Select types) manufactured by United States Gypsum Company. Color shall be a standard color as selected by the architect.

MIXING AND APPLICATION

Mixing and application of Acoustical Plaster and the basecoat plaster shall be in strict accordance with the manufacturer's printed directions which are hereby made a part of this specification.

SOUND ABSORPTION DATA

Frequency, Hz	Stipple	Stipple-Perforated
125	0.55	0.60
250	0.55	0.60
500	0.55	0.60
1000	0.55	0.60
2000	0.55	0.60
4000	0.55	0.60
8000	0.55	0.60
16000	0.55	0.60