

DIRECTIONS FOR MIXING AND APPLYING**SABINITE****ACOUSTICAL PLASTER**

● Sabinite Acoustical Plaster should not be applied without the approval of the Company's Service Representative who is available without cost.

PURPOSE

SABINITE ACOUSTICAL PLASTERS are made under three formulae: SABINITE A, which is used for general acoustical plaster work on ceilings or above wainscots; SABINITE B, for troweling to a smooth hard surface that is readily cleanable, and appropriate for use on wainscots or wall surfaces exposed to abrasion; and SABINITE 38, for use in rooms of high moisture content, such as swimming pools, shower rooms, laundries, etc. All forms of Sabinite are designed to correct acoustics in audience rooms and to reduce the noise level in otherwise noisy rooms.

Sabinite A and B are applied to gypsum base coat plasters. Sabinite 38 is applied only on Portland cement base coat plaster, as described in these directions.

Sabinite is applied on exact, predetermined areas, after acoustical analysis of the room has been made. Failure to apply it to specified areas may result in a failure to obtain the desired result. The plasterer is cautioned not to reduce the area specified by the architect for Sabinite application without having first obtained in writing the approval of the engineer who made the acoustical analysis, or the approval of the architect, and the approval of the Acoustical Department of the United States Gypsum Company.

COLORS

Sabinite is made in four standard colors and white. Special

colors are made to order. Observe the following directions regarding colors:

See that the Sabinite which you have ordered is the correct color desired and specified before applying it.

Colored Sabinite must be very thoroughly mixed to avoid streaks and discolorations.

PREPARATION OF BASE

FOR SABINITE A AND B: Apply only to a gypsum base coat, consisting of scratch and brown coats, not less than $\frac{1}{2}$ inch in total thickness. Do not apply to any other base. Do not apply to old plaster work of any sort.

The brown coat must be brought to a true and level surface by rodding (to produce uniform color and prevent the use of excess Sabinite). Brown coat shall be thoroughly cross-raked to receive Sabinite.

FOR SABINITE No. 38: Apply Sabinite No. 38 to a level, rodded base coat consisting of scratch and brown coats, not less than $\frac{1}{2}$ inch in total thickness, of Oriental Stucco Base Coat. Do not apply to any other base. Do not apply to old plaster work of any sort.

BASE COAT MUST BE UNIFORMLY DRY: All Sabinite shall be applied only to a uniformly dry base coat. The base coat should not be artificially dried until it has thoroughly set and hardened.

MIXING

Sabinite requires only the addition of clean water to make it ready for use. Nothing else should be added to it. The different Sabinites should never be mixed together.

Either machine mixing or hand mixing may be used.

All mixing equipment must be kept clean and free from foreign material, especially set plaster of any kind.

Do not mix more material than can be applied within one hour.

Use clean water free from alkali and impurities.

Use 27 quarts of water to each 80-lb. bag of Sabinite.

MIX THOROUGHLY: Mixing should be continued after the period when Sabinite reaches the plastic state. Additional mixing increases bulk, plasticity and porosity necessary for its acoustical properties. Mix to regular-sanded-plaster consistency.

If water tends to separate after mixing, re-mix the water back into the plaster before using.

Do not retemper. Do not mix one batch with another.

APPLICATION

Apply only over a uniformly dry brown coat, which has been thoroughly broomed or raked. The brown coat should have uniform suction (dryness) throughout, or color will be spotty and muddy.

Apply in two coats—each $\frac{1}{4}$ -inch thick, to a total thickness of $\frac{1}{2}$ inch over the brown coat.

FIRST COAT: First apply a full $\frac{1}{4}$ -inch coat and bring to a true even surface with the trowel. When the water has left the surface (look along the surface toward the light—when the shine leaves the surface, it is ready to broom) broom the surface to open the pores of the plaster, breaking any skin that may form on the surface. Keep the broom clean and continually shake out the mortar, which accumulates in the broom.

SECOND COAT: When first coat is set and dry apply second coat $\frac{1}{4}$ inch thick, as above, bringing total thickness of Sabinite to full $\frac{1}{2}$ inch thick over the brown coat. Second coat must be applied uniformly level. It cannot be patched or filled out without discoloration.

SABINITE No. 38: First coat should be kept damp for two days and then allowed to dry naturally. When dry and hardened apply second coat of Sabinite No. 38, $\frac{1}{4}$ inch thick, bringing total thickness to full $\frac{1}{2}$ inch over the brown coat. Neither first coat nor second coat of Sabinite No. 38 should be subjected to artificial drying.

FINISHING

The finished appearance of Sabinite should be porous, and all finishing must be done in such a way that no water glaze is developed on the surface. On large areas the finish coat must be applied to each area in one operation. This will prevent objectionable joining marks.

FINISHING SABINITE A: Sabinite A may be finished with a cork float, steel trowel, or whisk-broom. Floating, troweling or brooming to a uniform surface must be done only after the glaze has left the surface. Use no water in finishing.

FINISHING SABINITE B: Sabinite B is finished with a steel trowel. Trowel up fairly smooth while applying second coat, then go over the work with a trowel using pressure to develop a smooth, uniform appearing surface. The second troweling is done only when the water has disappeared from the surface. Use no water in troweling.

FINISHING SABINITE No. 38: Sabinite No. 38 must always be finished by floating. Do not under any circumstances use a trowel in finishing, and never use water in floating. After the final floating, it may be troweled lightly to even up the surface. Develop a floated surface with a clean cork float. Float shortly after application when the base coat has had an opportunity to draw out a little of the water. Floating when too wet produces a surface "skin." Employ the entire surface of the float with very little pressure. Floating when too dry will give a rough surfaced job. The object of floating is to give a uniform appearance, and break surface skins which close the pores. Patch all low or torn places in finish individually and always before floating.

DRYING: After application allow Sabinite to dry naturally, furnishing heat and ventilation in slow drying weather for Sabinites A and B, but not for No. 38.

Do not under any circumstances wet down the surface of Sabinite with water to promote hardening. This will result in stained and blotched surfaces.

STORE SABINITE IN A DRY PLACE: Pile on planking and cover with tarpaulin where necessary to protect from dampness.

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