



TECHNICAL DATA

SEMI-SOLID® ACRYLIC STAINS - #1100 SERIES

DESCRIPTION

Recommended Uses:

Cabot Semi-Solid Acrylic Stains are richly pigmented, penetrating, 100% acrylic resin-based stains that are unique to Cabot. They provide greater hiding power and color than semi-transparent stains, yet their attractive flat finish highlights the natural beauty of the wood's texture. These stains are environmentally friendly, and equipment is easily cleaned with soap and water. Cabot Semi-Solid Acrylic Stains provide long-lasting, vapor-permeable protection that beautifies and enriches exterior wood surfaces. Containing a special acrylic resin, these products are ideal for all types of natural wood siding and shingles. Exceptional ultra-violet protection is achieved through the use of non-fade, earth-tone pigments, in addition to the superior acrylic resin. Semi-Solid Acrylic Stains are formulated to weather slowly over time – without cracking, peeling or blistering. Cabot Semi-Solid Acrylic Stains are for application on new or properly reconditioned wood, including siding, shingles, shakes, fences, roofs and log homes. These beautiful stains provide outstanding results on all natural wood species such as cedar, redwood, fir, pine, spruce and cypress, including pressure-treated wood and plywood panel siding. These stains may also be applied to new, unprimed fiber cement siding.

Composition:

Deep-penetrating, richly pigmented stains based on 100% acrylic resin.

Finish:

Dries to a natural, flat finish.

Colors:

Formulations are available to tint Cabot's 74 colors with the Neutral and Deep Bases within this stain series. These stains may also be intermixed to achieve colors other than those found on the color card. The final appearance of these products will be influenced by the porosity and color variations of the wood's surface. **NOTE: Some Semi-Solid Acrylic Stain colors may not match the same colors in the traditional oil-based formulation. A sample brush-out is recommended.**

Coverage:

On smooth surfaces, approximately 200-300 square feet per gallon (4.9-7.4 square meters/liter); on rough surfaces, 100-200 square feet per gallon (2.5-4.9 square meters/liter). These rates will vary depending upon the porosity of the surface.

Packaging/Containers:

Available in one- and five-gallon containers.

Restrictions:

DO NOT INTERMIX WITH CABOT OIL-BASED PRODUCTS. Do not apply in direct sunlight, to hot surfaces, or when air or surface temperature is below 50°F. Do not apply over wet or damp surfaces or when rain is imminent.

Do not thin or combine with any other water-based products. Do not use steel wool on wood that is to be coated with these products. Do not apply over previously painted or sealed surfaces. Cure new stucco and masonry products a minimum of 30 days before applying this product.

This product is not recommended for decks or interior surfaces. For exterior use only. Protect stored containers from freezing.

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Environmental Impact:

These products are in compliance with V.O.C. (Volatile Organic Compound) requirements for Specialty Architectural Coatings under current regulations. Call Cabot's Technical Services and Support for additional information pertaining to current V.O.C. rulings.

Cleanup and Disposal:

Clean brushes and equipment with soap and water. Dispose of empty cans or unused portion in accordance with local, state and federal regulations. Close container when not in use. Material Safety Data Sheets (MSDS) are available upon request.

Physical and Chemical Data:

Water Repellent: Yes

Drying Time: 1 hour depending on temperature and humidity.

Weight: 9.0-9.4 pounds per gallon.

Flash Point: This water-based product has no flash point.

Film Thickness: Minimal because Semi-Solid Acrylic Stains penetrate deeply into the wood.

Shelf Life: At least 3 years in closed, original containers at room temperature.

PROTECT STORED CONTAINERS FROM FREEZING.

Mildew Resistant: Yes

% Solids (weight): 32.2-36.5

% Solids (volume): 26.4-28.19

% Pigment (weight): 8.84- 13.89

Viscosity: 61-65 Ku Stormer Viscometer at 77°F (25°C).

Pigment Type: Titanium dioxide and Nepheline Syenite.

Vehicle Type: A unique 100% acrylic resin.

Solvent: Water and Propylene Glycol

V.O.C. Content: Maximum of 250 grams per liter (2.09 pounds per gallon).

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APPLICATION

Surface Preparation:

Proper surface preparation is the key to maximum product performance. The durability of this product can be impaired by an unsound or poorly prepared surface. It is very important the surface be clean of all dirt, mildew stains, loose wood fibers and other foreign matter. In order for this product to be effective, it must be able to penetrate. Surfaces must be structurally sound and absolutely dry. (Moisture content must be 15% or lower as measured on an electronic moisture meter, or the wood must be exposed to dry weather for a minimum of 3 to 5 days.) Previously clear-finished or weathered wood surfaces must be either sanded, scrubbed with a bleach/detergent solution or Cabot Problem-Solver® Wood Cleaner and a stiff bristle brush, or power washed to remove the surface layer of all loose wood fibers, dirt, mildew stains, chalky residue and other foreign matter. Use Cabot Problem-Solver Wood Brightener to easily remove tannic acid (extractive) bleed, nail and metal rust stains, and renew the wood's appearance. Use Cabot Problem-Solver Strippers (#8004 and #8005) to safely remove all stains and paints from wood surfaces. New, smooth wood that is unseasoned or appears shiny, should be allowed to weather sufficiently before staining, but generally not longer than three months.

Application of Coating:

Stirring: Stir thoroughly before and occasionally while using. If the job requires more than one batch, blend them together.

Methods: Apply evenly with a brush, roller or spray. Semi-Solid Acrylic Stains may also be applied by an authorized Cabot Factory Finisher. Best results can be obtained by using a high-quality polyester bristle brush. When rolling and spraying immediately backbrush after each section is coated to ensure proper penetration. To avoid lap marks, start at one edge and follow through to the end of the boards.

Spray Application: Recommended tip sizes and adjustments for spray application are 0.013" - 0.015" at 1000-1500 PSI with a fan width of 5-8 inches. When using HVLP spray equipment, see manual for proper set-up instructions. If you must spray, always backbrush immediately after each section is coated to ensure proper penetration.

Number of Coats: **A one-coat application is recommended.** A second coat can be applied to most substrates, but will result in greater opacity and a possible higher sheen level on smooth surfaces.

Drying Time: Approximately 1 hour depending on temperature and humidity. Recoat after 4 hours should a second coat be desired.

Precautions:

Do not apply in direct sunlight, to hot surfaces, or when air or surface temperature is below 50°F. Do not apply over wet or damp surfaces or when rain is imminent. Do not thin this product. Do not use steel wool on wood that is to be coated with this product. **Do not combine with Cabot Oil-based Semi-Solid Stains or any other product.** Do not apply over previously painted or sealed surfaces. Cure fresh stucco and masonry products for a minimum of 30 days before applying Semi-Solid Acrylic Stains. For hardboard siding, *The Finish House & Trim Paint* is recommended. For previously stained, painted or sealed decks Cabot Solid Color 100% Acrylic Decking Stain is recommended. **Not intended for interior surfaces. For exterior use only. Keep from freezing.**

AVAILABILITY

Cabot Wood Care Products are sold throughout the United States and Canada. For a list of Cabot dealer locations, please contact Cabot's Technical Services & Support at 1-800-US-STAIN.

WARRANTY

If this product does not perform as stated on the label after you apply it according to label directions, Cabot will either replace this product or refund its purchase price, at its option. Cabot disclaims all other implied or expressed warranties. Cabot will not provide or pay for labor for removal or application of the product. This warranty excludes all incidental or consequential damages. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

MAINTENANCE

Minimal because Semi-Solid Acrylic Stains penetrate deeply into the wood grain. Recoat depending on exposure or wear every 3 to 5 years.

TECHNICAL SERVICES

For additional technical information, product line color cards, fan decks and liquid product samples, see your specialized Cabot Dealer or call the Cabot Wood Care Specialists in Technical Services & Support toll-free at 1-800-US-STAIN (877-8246).

FILING SYSTEMS

For complete model specifications and technical data on all Cabot products, visit the Cabot Home Page at: cabotstain.com.



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