



## TECHNICAL DATA

### PROBLEM-SOLVER® PRIMER #8111/#8116/#8144

#### DESCRIPTION

##### *Recommended Uses:*

##### **Cabot® Problem-Solver® Primer**

is a solvent-based, exterior primer specially designed to provide maximum performance through a faster drying and higher-hiding formulation. In addition to superior resistance to extractive bleeding and moisture problems, this 100% alkyd primer dries in a fraction of time compared to traditional linseed oil-based primers and facilitates the application of a quality finish coat within just a few hours. Cabot Problem-Solver Primer makes an ideal base coat for all types of solid stains and paints and will yield outstanding results on siding, shingles, plywood, and on both smooth or rough-sawn surfaces. It is also suited for application over previously oil-based stained or painted surfaces.

Cabot Problem-Solver Primer is recommended for use on extractive-prone wood species such as red cedar, redwood, mahogany and fir. It is also excellent when applied to pine, cypress, spruce, and even pressure-treated wood. This product has exceptional adhesive properties and can be applied immediately to new, dry, unseasoned, mill-glazed (smooth) siding.

##### *Composition:*

Richly-pigmented, penetrating solvent-based primer.

##### *Finish:*

Dries to a uniform flat finish.

##### *Colors:*

Available in White #8111, Gray #8144 and Neutral Tinting Base #8116.

##### *Tinting/Intermixing:*

Cabot Problem-Solver Primers White #8111 and Gray #8144 may be tinted with up to 4 fluid ounces per gallon of compatible universal colorants. Neutral Base Primer #8116 may be tinted with up to 12 fluid ounces per gallon.

##### *Coverage:*

On smooth surfaces, approximately 400-500 square feet per gallon (9.81-12.27 square meters per liter); on rough surfaces, 150-250 square feet per gallon (3.68-6.14 square meters per liter). These rates will vary depending upon the porosity of the surface.

##### *Packaging/Containers:*

Available in one-gallon and five-gallon containers.

##### *Restrictions:*

Do not use Neutral Base Primer #8116 without tinting with compatible universal colorants. Do not apply in direct sunlight, to hot surfaces, or when air or surface temperature is below 45°F (7°C) or may fall below 45°F (7°C) for 24 hours after application. Do not apply over wet or damp surfaces or when rain is imminent. Cabot Problem-Solver Primers may not fully prevent all extractive bleeding in woods with unusually high moisture and tannic acid levels. Knots should be sealed with a high-quality knot sealer. Do not use next to fresh stucco or other masonry surfaces. Do not thin this product.

**Not intended for interior surfaces.  
For exterior use only.**

#### TECHNICAL DATA

##### *Environmental Impact:*

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

*Cleanup and Disposal:* Clean brushes and equipment with mineral spirits.

**DANGER: Rags, steel wool or waste soaked with Cabot Problem-Solver Primer may spontaneously catch fire if improperly discarded. Immediately after each use, place rags, steel wool or waste in a sealed, water-filled metal container.**

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:* Approximately 4 hours at 75°F (24°C) and 50% humidity for White #8111 and Gray #8144. Neutral Base Primer #8116 may have an extended drying time due to the increased level of universal colorants required for tinting.

*Weight:* 11.9 - 12.9 pounds per gallon.

*Flash Point:* Over 100°F TT-P-141 method 4293 closed cup.

*Film Thickness:* 1.5 - 2.5 dry mils.

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

*Mildew Resistant:* Yes

*% Solids (weight):* 76.0 - 77.5

*% Solids (volume):* 55.7 - 56.31

*% Pigment (weight):* 56.5 - 60.9

*Viscosity:* 65-75 Ku, #1 Stormer Viscometer at 77°F (25°C).

*Pigment Type:* Titanium Dioxide, Calcium Carbonate, Talc.

## PROBLEM-SOLVER® PRIMER #8111/#8116/#8144

*Vehicle Type:* Alkyd resin.

*Solvent:* Aliphatic petroleum distillates with a boiling range of 318-386°F (159-197°C).

*V.O.C. Content:* Maximum of 350 grams per liter (2.9 pounds per gallon).

### APPLICATION

#### *Surface Preparation:*

Proper surface preparation is the key to maximum finish performance. The durability of this product can be impaired by an unsound or poorly prepared surface. It is very important that the surface be clean of all dirt, mildew stains, loose wood fibers and other foreign matter. Surfaces must be structurally sound and absolutely dry. (Moisture content must be below 15%, or the wood must be exposed to dry weather for a minimum of 3-5 days.) Any existing moisture problems must be corrected before Cabot Problem-Solver Primers are applied. Previously painted/stained or weathered wood surfaces must be either sanded, scrubbed with a bleach/detergent solution of Cabot Problem-Solver Wood Cleaner and a stiff bristle brush, or power washed to remove the surface layer of all loose stain, paint, wood fibers, dirt, mildew stains, chalky residue and other foreign matter. Use Cabot Problem-Solver Wood Stripper to help remove oil-based finishes from wood surfaces such as cedar, redwood, pine, cypress, fir, and pressure-treated wood. Use Cabot Problem-Solver Wood Brightener to easily remove tannic acid (extractive) bleeding, nail and metal rust stains, and renew the wood's appearance. New wood, once dry, should not be allowed to weather. Short-term (4 weeks) weathering prior to application of this product can decrease its service life.

#### *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 or spray. Best results can be obtained by using a high-quality natural bristle brush. When 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. Apply primer to small sections at a time.

*Spray Application:* Recommended tip sizes and adjustments for spray application are 0.017" - 0.021" at 1800-2000 PSI with a fan width of 5-8 inches. When using HVLP spray equipment, see manual for proper set-up instructions.

*Number of Coats:* One coat is sufficient and is recommended for most surfaces; however, a second coat may be necessary in areas subject to high moisture, severely weathered wood, extremely rough surfaces, or on woods with high levels of water-soluble tannic acid.

#### *Precautions:*

Do not apply in direct sunlight, to hot surfaces, or when air or surface temperature is below 45°F (7°C), or may fall below 45°F (7°C) within 24 hours. Do not apply over wet or damp surfaces or when rain is imminent. Do not thin this product. Do not tint this product. **Not intended for interior surfaces. For exterior application only.**

### 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

Topcoat as soon as possible, but well within six weeks of application for the best results.

### 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](http://cabotstain.com).



**Cabot®**  
Newburyport, MA 01950  
Tel.: 800-US-STAIN  
Fax: 1-800-998-3299  
[cabotstain.com](http://cabotstain.com)