



ECOSOURCE®

TECHNICAL DATA SHEET SICO ECOSOURCE 851-116N

INTERIOR ACRYLIC LATEX PAINT

Water-based product, flat for ceilings, white

Product Description

ZERO VOC latex flat finish paint, ideal for use on properly prepared, interior ceilings composed of primed or previously painted drywall, plaster, masonry, and wood.

Conventional water-based paints contain Volatile Organic Compounds (VOCs) that contribute to air pollution. Our SICO® Ecosource® paint uses an effective 0 VOC technology (before colourant added^A) which ensures an outstanding product and fewer negative environmental impacts.

Advantages

- Zero VOC^A formula.
- High performance paint.
- Ready for use and easy to apply.
- Low odour.
- Water-based product which allows tool clean-up with water.
- Product formulated without VOCs before the addition of colourants; surpasses Canadian Volatile Organic Compound (VOC) Concentration Limits for Architectural Coatings Regulations requirements.

Available Colour

851-116N White tintable^A

^AColourants added to this base paint may increase VOC level significantly depending on colour choices.

Projects

Environment

Interior only.

Use

New and maintenance work. Ideal for occupied institutional settings. Residential and commercial sites.

Ceilings only.

Surfaces

Properly prepared, interior ceilings composed of primed or previously painted drywall, plaster, masonry, and wood.

Notes

Can be tinted to obtain pastel shades (max. 3 ounces per 3.78 litres).

For ceilings requiring frequent washing or scrubbing, a glossier finish is preferable.

This product is not formulated to be used on walls or floors.

Some colours, or drastic colour changes, may require additional coats of paint.

Not to be used as an undercoater or a primer-sealer.

Do not apply directly over steel, iron or other metals.

Do not mix with other paints or thinners.

Certifications

Contributes toward satisfying LEED® v4 EQ credits due to low VOC.

Limited Warranty

PPG Architectural Coatings Canada, Inc. warrants performance of its products to its intended use if properly applied in accordance with the label directions and the specifications of the technical data sheet. Having no control over the application methods and conditions or the circumstances related to its use, no other warranty, expressed or implied, statutory or otherwise is given. This limited warranty extends only to the original purchaser of the product and is not transferable or assignable. If the product fails to conform to this limited warranty, we will, at your option, furnish replacement product or refund the purchase price. This limited warranty excludes (1) labour or costs of labour for the application or removal of any product and (2) all other direct, indirect, incidental, special or consequential damages.

Technical Specifications (21°C (70°F))

Appearance

Opaque

Gloss Level

Flat finish

- Gloss at 60°: 0 to 5%
- Gloss at 85°: 0 to 5%

Composition

- Diluent: Water
- Binder: Polymer emulsion

Volatile Organic Compounds (VOCs)*

According to ASTM D3960-05: "0" g/L

**No emission is detectable by the United States Environmental Protection Agency (USEPA) Test Method 24. Some base may contain VOC. The addition of colourant will introduce VOCs.*

Viscosity*

Ready to use (94 ± 4 Krebs Units)
Manufacturing specification, working viscosity may vary.

Density* 1.4 ± 0.1 kg/L

Solids by Volume* 35.6%

Solids by Weight* 53.8%

Flammability Non flammable

Flash Point* Not applicable

Spreading Rate per Coat

3.78 L: 37 m² (400 ft²)

Coverage figures do not include loss due to surface irregularities and porosity or material losses due to application method or mixing.

Film Thickness requirements*

- Wet: 102 µm
4.0 mils
- Dry: 36 µm
1.4 mils

Drying Time*

- Touch dry: 30 to 60 minutes
- Before recoating: Minimum 2 to 4 hours
- Full curing: 30 days

When relative humidity is higher than 50%, double the required time.

Drying times listed may vary depending on temperature, humidity, film build, colour, and air movement.

*Technical data source: 851-116N

Surface Preparation

Surface must be clean and dry. Remove all loose, peeling paint, dirt, grease, and any other surface contaminants. Putty all nail holes and caulk all cracks or open seams. Sand all glossy, rough, and patched surfaces.

Concrete, Stucco, or Masonry: Plaster, concrete, and masonry must be completely dry, free of efflorescence, and allowed to cure for 30 days prior to painting. Remove surface dust and prime entire surface prior to painting.

Clean the concrete surfaces per ASTM Standard Practice D4258: Standard Practice for Surface Cleaning Concrete for Coating. Vacuum cleaning, water cleaning, detergent water wash, power wash cleaning, steam cleaning, hand tool and mechanical cleaning are acceptable cleaning methods.

Painted surfaces: Strip, scrape or remove all loose and peeling paint, and sand to smooth edges. Sand to smooth edges.

Eliminate stains caused by mildew with a solution of household bleach (1 part household bleach to 3 parts of water). Wear rubber gloves and eye protection. Rinse thoroughly with clear water and let dry completely.

Remove all surface contaminants by washing with an appropriate cleaner. Rinse thoroughly with water and allow drying.

Sand rough areas and dull glossy surfaces or alkyd painted surfaces to ensure adhesion. Clean up carefully sanding residue.

Repair damaged areas and spot prime or prime total surface, where necessary.

Wood: Unpainted wood or wood in poor condition should be sanded smooth and clean up carefully to remove dust. If wood exudes resin, scrape the excess and clean surface with alcohol or paint thinner prior to seal knots and sap streaks with shellac.

PRECAUTION: Dry sanding will give rise to dust and/or hazardous fumes. Wear suitable respiratory protective equipment. WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact a regional Health Canada office for more information.

Prime entire surface with the appropriate primer.

Before use, cover or mask surfaces that are not to be painted, be sure to read and follow the instructions and warnings on the label and Safety Data Sheet.

Contact your local representative for any additional surface preparation guidelines.

Systems recommendation according to surfaces

Previously painted latex surfaces in good condition:

- No primer is required.
- *Sico Ecosource* 851-116N, one or two coats as required.

Primers:

- Prime all bare surfaces with an appropriate primer.
- *Sico Ecosource* 851-116N, one or two coats as required.

Concrete, Stucco, or Masonry:

- Please see the instructions in the surface preparation above.
- *Sico Ecosource* 851-116N, one or two coats as required.

Previously Painted Alkyd Surfaces in Good Condition:

- Prime surface with an appropriate primer.
- *Sico Ecosource* 851-116N, one or two coats as required.

Recommendations

Application Conditions

Temperature: 10 to 32°C (50 to 90°F)
(ideal 20°C ± 5°C [68°F ± 9°F])

Relative humidity: Ideal between 15 and 55%,
maximum 85%.

High humidity or low temperatures extend drying time. Conditions to be observed during both product application and drying time.

Tools

- Paintbrush: Synthetic bristles (nylon, polyester)
- Roller: 13 mm (1/2 in.)
- *Spray (airless equipment)
 - Tip size: 0.015 to 0.021 in.;
 - Pressure: 1500 to 2000 psi.

Always use top quality application tools.

*Spray recommendations may vary from figures listed depending on equipment manufacturer.

Cleaning Tools

Clean tools with warm, soapy water.

Storage and Transportation

Keep product in a dry area between 10 and 32°C (50 and 90°F).

PROTECT FROM FREEZING.

Disposal

Consult your municipality about proper disposal procedure of residue in accordance with the laws and respect the environment. Do not pour down a drain or storm sewer.

Application

Stir thoroughly. Do not thin. Apply with a high-quality brush, roller (nap size – 13 mm), paint pad, or by airless spray equipment. When using more than one container of the same colour, intermix to ensure colour uniformity. Apply only when air, surface, and product temperatures are between 10°C (50°F) and 32°C (90°F).

Stir thoroughly before use and occasionally during use. Pour the quantity of paint needed into another container to avoid contaminating the original paint container. Keep containers closed when not in use.

Apply the product by complying with its spreading rate, leaving no bare spots or excessively coated areas.

Provide adequate ventilation. Observe drying time between coats. Low temperatures or high humidity will affect drying time. Applying two coats will provide better durability and appearance.

For more information, visit the website at www.sico.ca or call our customer service: 1-800-463-7426.

Safety Measures

MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND SKIN IRRITATION. Avoid breathing vapours, spray or mists. Avoid contact with skin and eyes. Wear protective gloves/clothing and eye/face protection. Keep out of reach of children. Keep container tightly closed and sealed until ready for use. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific SDS and label information. FIRST AID TREATMENT:** If swallowed, call a Poison Control Centre or doctor immediately. If in eyes or on skin, rinse well with water. If breathed in, move person to fresh air. Contains: titanium dioxide; nepheline syenite; diatomaceous earth. Contains isothiazolinones. May cause allergic reaction. For workplace use, an SDS is available from your retailer or by calling 1-800-463-7426. EMERGENCY SPILL INFORMATION: 514-645-1320.

Surface Maintenance

- Wait for its full curing before washing the product or testing its adhesion: minimum 30 days depending on temperature and relative humidity (longer in conditions of high humidity or low temperature). Use a non-abrasive, mild cleaner and a soft cloth. The use of a cleanser or a technique that is too abrasive affects the appearance of the surface.
- If required, touch up bare areas with primer and apply another coat on the whole surface.

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